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ANNUAL REPORT
OF
The Boston City Hospital
BOSTON, MASS.



1917-18

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Boston City Hospital



FIFTY-FOURTH ANNUAL REPORT
OF
THE TRUSTEES
OF
THE BOSTON CITY HOSPITAL
INCLUDING THE
REPORT OF THE SUPERINTENDENT
UPON THE
HOSPITAL PROPER
THE SOUTH DEPARTMENT FOR INFECTIOUS DISEASES
THE HAYMARKET SQUARE RELIEF STATION
THE EAST BOSTON RELIEF STATION
THE CONVALESCENT HOME AT DORCHESTER
THE WEST DEPARTMENT
AND ALSO THE
HOUSE RULES, WITH RULES FOR ADMISSION, DISCHARGE
AND GOVERNMENT OF PATIENTS, ETC.
FOR THE FIFTY-FOURTH YEAR
FEBRUARY 1, 1917, TO JANUARY 31, 1918, INCLUSIVE



CITY OF BOSTON
PRINTING DEPARTMENT

1918.

6359.17

Boston City Hospital
Mar 10. 1919



1917-18

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BOSTON CITY HOSPITAL

TABLE OF CONTENTS.

	PAGE
Accident Cases	31, 34
Ambulances:	
Record of Work	34, 36, 53, 54, 55
Applicants for Admission, Hospital Proper	32, 52
Applicants not Admitted, Hospital Proper	32, 36, 52
Aural and Laryngological Service	29, 33, 34, 35
Bequests and Trust Funds	63
Census of Days' Board of Persons	38, 48
Clinical Records:	
Index Cards	57
Convalescent Home:	
Staff	12
Revenue	50
Capacity	34
Statistics as to Patients	25, 55
Rules for	82
Dental Service	25, 27
Dermatological Service	29, 33, 34, 35
East Boston Relief Station:	
Executive Staff	17, 60
Statistics as to Patients	25, 54
Paying Patients	19, 20
Ambulance Service	55
Capacity	34
Revenue	50
Rules for	79, 81
Executive Department, Changes in	60
Expenditures Classified	44
Finances:	
Appropriations for Maintenance	36
Expenditures, where made	18, 36, 44, 47, 48, 49, 51
Receipts	36, 46, 50
Expenditures on Food, Ice and Fuel	47
Statement Showing Cost per Patient per Day, 18, 19, 49, 51	
Expenditures Classified	44

Gifts and Bequests	28, 63
Gynæcological and Obstetrical Service	29, 33, 34, 35
Haymarket Square Relief Station:	
Executive Staff	16
House Officers	17
Paying Patients	19, 20
Statistics as to Patients	24, 53
Ambulance Service	53, 54
Capacity	34
Revenue	50
Rules for	79
X-Ray Service	21
Hospital:	
Capacity of	34, 35
Renovations, General	55
Hospital Officers	15, 60
House Officers, List of	12, 16, 17
Term of Service Changed	25
House Rules	73
Insurance Cases	19, 20
Maintenance Statistics	18, 51
Medical Library	56
Medical and Surgical Staff, List of	7
Changes During the Year	26, 27
Death of Dr. George P. Howe	26
Creation of New Positions	25
Medical Services	29, 33, 34, 35
Medical-Social Work, Department of	26
Mortality, Rate of	31, 52
Neurological Service	29, 33, 34, 35
Obituary	26
Obstetrics	25, 29, 33, 34, 35
Ophthalmic Service	29, 33, 34, 35
Orthopedic Cases, Income from	19, 20
Out-Patient Department:	
Externes	15
Paying Patients	19, 20
Patients Treated	23, 29, 31, 34, 51
Number of Visits	29
Estimated Expenditures	48
Revenue from Out-Patient Insurance Cases	19, 20

Pathological Department:

	PAGE
Officers	7, 16, 61
Work of	22

Patients:

Applicants for Admission	32, 52
Number of	31, 33, 51, 52
Day Board given Patients	38
Daily Average	38, 48
Expenditures	18, 48, 51
Statistics as to Services	29, 33, 35
Paying	19, 20
General Statistics	29, 33, 35
Nativity of, Hospital Proper	39
Condition on Discharge, Hospital Proper	40
Comparative Statistics for the Last Ten Years	31
Rules for Admission, Government and Discharge of,	73

Per Capita Cost:

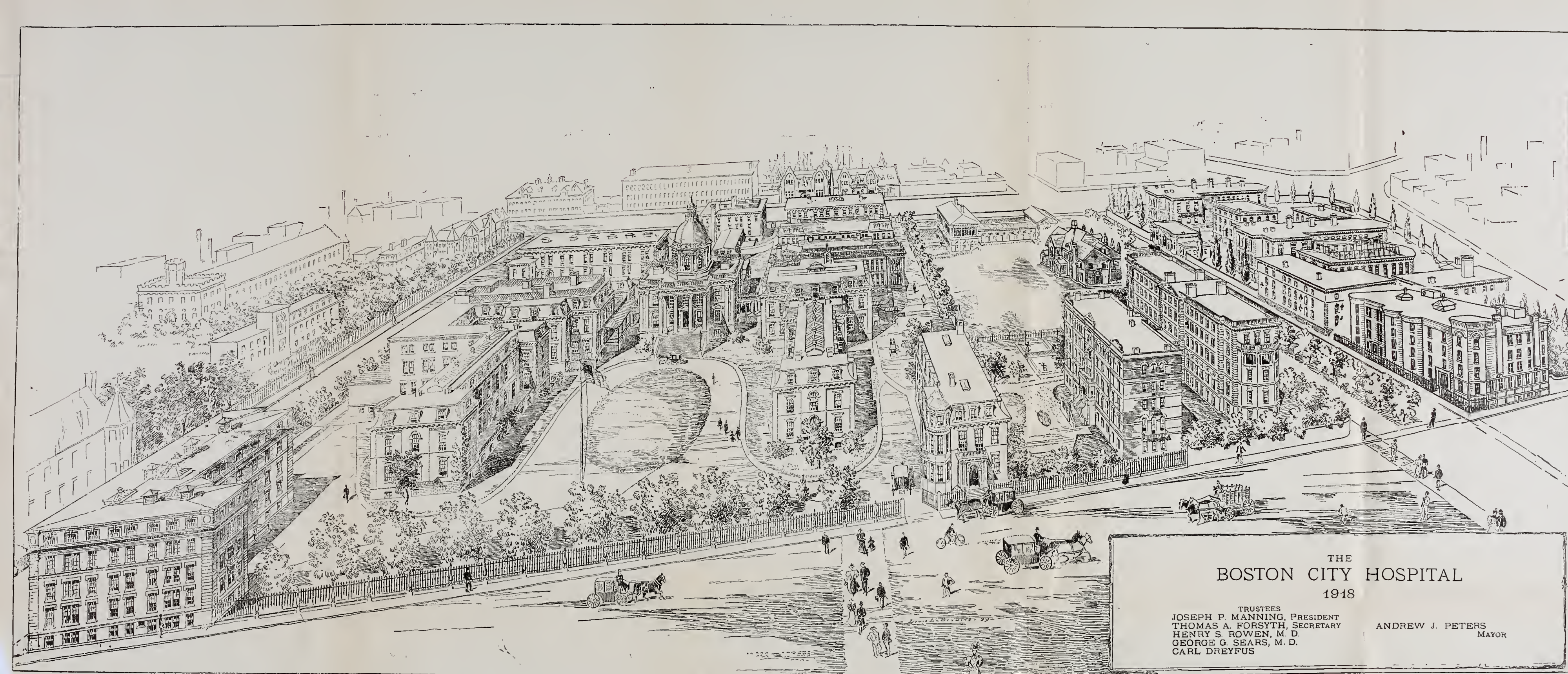
All Departments:

Per Ward Patient, Gross Cost	19, 51
Per Ward Patient, Net Cost	19
Per Ward Patient, Gross Cost, exclusive of Permanent Improvements, Last Five Years	49
Per Ward Patient, Net Cost, exclusive of Permanent Improvements, Last Five Years	49
Per Ward Patient and Out-Patient, per Day	51
Per Person, for uncooked food supplies	19, 51
Receipts and Expenditures	18, 36, 47, 48, 49, 50
Revenue	20, 46
Table of	50
Rules, Changes of	25

South Department:

Staff	12, 16, 60
House Officers	16
Paying Patients	19, 20
Statistics as to Patients	23, 31, 42
Capacity	34
Mortality, Rate of	31, 43
Applicants Examined	41
“ not Admitted	41
Patients, Nativity of	42
“ Condition on Discharge	42
Revenue	50

South Department:	PAGE
Rules for	78
Report of Advisory Staff	24
Statistics, Hospital Proper	33
Superintendent:	
Report of	29
Surgical Services	29, 33, 34, 35
Training School for Nurses:	
Statistics	57
Lectures	59
Graduating Exercises	60
Male Nurses	60
Prospectus	65
Trust Funds and Bequests	63
Trustees, List of	7
Organization	18
Report of	18
Death of Mr. Conrad J. Rueter	18, 26
Vaccine and Serum Therapy Department:	
Statistics as to Patients	21, 29, 34
Visitors, Rules for	76
West Department:	
Revenue	50
X-Ray and Photographic Department:	
Staff	12, 16
Work of	20
Visits of Out-Patients	29
Out-Patients Treated	34
Income from X-Ray Insurance Cases	19, 20



THE
BOSTON CITY HOSPITAL
1918

TRUSTEES
JOSEPH P. MANNING, PRESIDENT
THOMAS A. FORSYTH, SECRETARY
HENRY S. ROWEN, M. D.
GEORGE G. SEARS, M. D.
CARL DREYFUS

ANDREW J. PETERS
MAYOR

FIFTY-FOURTH ANNUAL REPORT
OF THE
TRUSTEES
OF
THE BOSTON CITY HOSPITAL
WITH
REPORT OF THE SUPERINTENDENT

THE HOUSE RULES, WITH RULES FOR ADMISSION, DIS-
CHARGE AND GOVERNMENT OF PATIENTS, ETC.

FOR THE
FIFTY-FOURTH YEAR, FEBRUARY 1, 1917, TO
JANUARY 31, 1918, INCLUSIVE.

TRUSTEES.

A. SHUMAN, <i>President</i>	Term expires in 1920.
JOSEPH P. MANNING, <i>Secretary</i>	Term expires in 1921.
THOMAS A. FORSYTH	Term expires in 1919.
HENRY S. ROWEN, M. D.	Term expires in 1922.

MEDICAL AND SURGICAL STAFF.

Consulting Physicians and Surgeons.

Edward H. Bradford, M. D.	Francis S. Watson, M. D.
Vincent Y. Bowditch, M. D.	Thos. Amory DeBlois, M. D.
Abner Post, M. D.	George H. Monks, M. D.
Hayward W. Cushing, M. D.	Morton Prince, M. D.
Elliott P. Joslin, M. D.	

Consulting Pathologist.

William T. Councilman, M. D.

✓

Consultant in Tropical Diseases.

Richard P. Strong, M. D.

Curator of the Hospital Museum.

Abner Post, M. D.

Superintendent and Medical Director.

John J. Dowling, M. D.

Senior Physicians.

John G. Blake, M. D.	| G. B. Shattuck, M. D.
Francis H. Williams, M. D.	

Visiting Physicians.

Henry Jackson, M. D.	| Wm. H. Robey, Jr., M. D.
George G. Sears, M. D.	| Ralph C. Larrabee, M. D.
John L. Ames, M. D.	| Franklin W. White, M. D.

First Assistant Visiting Physicians.

Edwin A. Locke, M. D.	| Edward N. Libby, M. D.
Francis W. Palfrey, M. D.	

Second Assistant Visiting Physicians.

Cadis Phipps, M. D.	| Harold Bowditch, M. D.
Harold W. Dana, M. D.	| Martin J. English, M. D.
Thomas J. O'Brien, M. D.	| William R. Ohler, M. D.
Albert A. Hornor, M. D.	| Edmund F. Walsh, M. D.
Roland A. Behrman, M. D.	

Assistant to the Visiting Physicians.

* Joseph M. Lynch, M. D.	| † Harry A. Nissen, M. D.
--------------------------	--------------------------

Senior Surgeon.

George W. Gay, M. D.

* Appointed for six months beginning October 26, 1917.

† Appointed for six months beginning January 24, 1918.

Surgeons-in-Chief.

Paul Thorndike, M. D.	|	Fred B. Lund, M. D.
John Bapst Blake, M. D.	|	Edward H. Nichols, M. D.
Howard A. Lothrop, M. D.		

Visiting Surgeons.

Frederic J. Cotton, M. D.	|	Joshua C. Hubbard, M. D.
William E. Faulkner, M. D.	|	David D. Scannell, M. D.
Horace Binney, M. D.		

First Assistant Visiting Surgeons.

J. H. Cunningham, Jr., M. D.	|	Halsey B. Loder, M. D.
Frank H. Lahey, M. D.	|	Irving J. Walker, M. D.
Arthur R. Kimpton, M. D.		

Out-Patient Surgeons.

Robert C. Cochrane, M. D.	|	Somers Fraser, M. D.
Otto J. Hermann, M. D.	|	Francis F. Henderson, M. D.
Herbert H. Howard, M. D.		

Assistants to the Out-Patient Surgeons.

MacIver Woody, M. D.	|	James J. Hepburn, M. D.
----------------------	--	-------------------------

Temporary Assistants to the Out-Patient Surgeons.

* William R. Morrison, M. D.	|	‡ Augustus Riley, M. D.
† Wilbert C. Hardy, M. D.	|	‡ Reginald D. Margeson, M.D.
§ Carl T. Harris, M. D.		

Anæsthetists.

John E. Butler, M. D.	|	Nathaniel N. Morse, M. D.
Frank L. Richardson, M. D.	|	Lincoln F. Sise, M. D.

Dentist-in-Chief.

Stephen P. Mallett, D. M. D.

Assistant Dentist-in-Chief.

William H. Canavan, D. M. D.

* Appointed for six months beginning September 28, 1917.

† Appointed for six months beginning January 17, 1918.

‡ Appointed for six months beginning January 24, 1918.

§ Appointed for six months beginning January 31, 1918.

Visiting Dentists.

Albert C. Cormier, D. M. D. | Harold A. Carnes, D. M. D.
George W. Whichelow, D. M. D.

Senior Surgeon for Diseases of Women.

Charles M. Green, M. D.

Junior Visiting Surgeon for Diseases of Women.

Ernest B. Young, M. D.

First Assistant Visiting Surgeon for Diseases of Women.

Nathaniel R. Mason, M. D.

Second Assistant Visiting Surgeon for Diseases of Women.

Robert M. Green, M. D.

Third Assistant Visiting Surgeons for Diseases of Women.

John T. Williams, M. D. | Frederick L. Good, M. D.

Fourth Assistant Visiting Surgeon for Diseases of Women.

Leo V. Friedman, M. D.

Temporary Assistant to the Surgeons for Diseases of Women.

* Joseph P. Cohen, M. D.

Ophthalmic Surgeons.

Allen Greenwood, M. D. | Edward R. Williams, M. D.
Henry B. Stevens, M. D.

Assistants to the Ophthalmic Surgeons.

Frederick N. Stephens, M. D. | Jeremiah J. Corbett, M. D.
L. Colby Rood, M. D.

Temporary Assistant to the Ophthalmic Surgeons.

† Leander M. Crosby, M. D.

Senior Surgeon for Diseases of Ear and Throat.

George A. Leland, M. D.

* Appointed for six months beginning November 2, 1917.

† Appointed for six months beginning December 1, 1917.

Visiting Surgeon for Diseases of Ear and Throat.

Edgar M. Holmes, M. D.

Surgeons for Diseases of Ear and Throat.

Rockwell A. Coffin, M. D. | Charles R. C. Borden, M. D.
 George L. Vogel, M. D.

Assistant Surgeons for Diseases of Ear and Throat.

Henry Tolman, Jr., M. D. | Louis M. Freedman, M. D.
 John H. Blodgett, M. D. | Robert J. Kissock, M. D.
 Calvin B. Faunce, Jr., M. D. | William T. Haley, M. D.

Visiting Physicians for Diseases of the Nervous System.

Philip Coombs Knapp, M. D. | John J. Thomas, M. D.
 Arthur W. Fairbanks, M. D.

First Assistant Visiting Physicians for Diseases of the Nervous System.

Isador H. Coriat, M. D. | William J. Daly, M. D.

Second Assistant Visiting Physicians for Diseases of the Nervous System.

LeRoy A. Luce, M. D. | Earle H. MacMichael, M. D.

Physician for Physical Therapeutics.

Frank B. Granger, M. D.

Assistant to the Physician for Physical Therapeutics.

* Robert Bonney, M. D.

Physician for Diseases of the Skin.

Townsend W. Thorndike, M. D.

Assistant to the Physician for Diseases of the Skin.

William P. Boardman, M. D.

* Appointed for six months beginning October 11, 1917.

Pathologist.

F. B. Mallory, M. D.

Physician for Infectious Diseases.

Edwin H. Place, M. D.

Acting Physician for X-Ray Service.

Paul F. Butler, M. D.

Assistant Physician for X-Ray Service.

Matthew N. Tennis, M. D.

Consultant in Vaccine and Serum Therapy.

George P. Sanborn, M. D.

Advisory Staff, South Department.

George W. Gay, M. D.

George A. Leland, M. D.

John G. Blake, M. D.

F. B. Mallory, M. D.

Physicians to the Convalescent Home.

John P. Treanor, M. D.

Henry F. R. Watts, M. D.

Bradford Kent, M. D.

HOUSE OFFICERS.

*House Physicians.**House Surgeons.*

(Four months ending March 19, 1917.)

John A. Foley.

Samuel R. Meaker.

Nahum R. Pillsbury.

Edward B. Allen.

Abraham C. Silverman.

Edward M. Hodgkins.

Henry A. Bunker, Jr.

George A. Murray.

Norman W. Gillespie.

(For four months ending July 16, 1917.)

Guy M. Parkhurst.

John G. Downing.

John H. Cauley.

William C. R. Hurley.

Max Silverman.

Paul Withington.

Louis J. Ullian.

John Duff, Jr.

Cassell C. Tucker.

Carl Bearse.

*House Physicians.**House Surgeons.*

(For three months ending October 15, 1917.)

Harris E. Powers.
 Launcelot C. Goffin.
 Nathan A. Bolotow.
 James J. Putnam, Jr.

Arthur L. Kinne.
 Wilbert C. Hardy.
 Theodore H. Aschmann.
 William F. Cotting.
 George W. Papen.

(For three months ending January 21, 1918.)

Manuel F. Cunha.
 Reuben L. Leverton.
 Jesse M. David.
 Harry A. Nissen.

Arthur F. Sargent.
 Frank W. Hodgdon.
 Carl T. Harris.
 Clarence H. Hyman.
 Hugh F. Lena.

(For three months beginning January 7, 1918.)

Warren M. Pettengill.
 Benjamin W. Rudman.
 Jacob E. Banquer.
 Benjamin D. Paul.

Robert Slater.
 Alfred C. Callister.
 William B. Young.
 James B. Moloney.
 Rufus W. Long.

Gynæcological House Surgeons.

(For four months ending March 19, 1917.)

John N. Woodside.

(For four months ending July 16, 1917.)

Lawrence A. Betteridge.

(For three months ending October 15, 1917.)

Jacob Applebaum.

(For three months ending January 21, 1918.)

Samuel Cline.

(For three months beginning January 7, 1918.)

Ahbrum M. Goldman.

House Surgeons in the Ophthalmic and Aural Service.

(For six months ending July 16, 1917.)

Charles E. Magoun.

(For six months ending January 7, 1918.)

Edmund J. Butler.

House Surgeons in the Ophthalmic and Aural Service (Concluded).

(For six months beginning January 7, 1918.)

Edward J. Monahan.

House Physicians in the Neurological Service.

(For four months ending March 5, 1917.)

John J. Carroll (Substitute).

(For four months ending July 2, 1917.)

Lewis W. Johnson. | Jacob H. Hekimian.

(For four months ending November 5, 1917.)

Myron A. Strammer.

(For four months beginning November 5, 1917.)

Walter V. Twombly.

Pathological Senior Interne.

(For six months ending July 2, 1917.)

Sze-jen Shen.

(For six months ending January 7, 1918.)

Frank G. Norbury. | Howard Osgood.

(For six months beginning January 7, 1918.)

Fletcher H. Colby.

*Senior Medical Internes.**Senior Surgical Internes.*

(For three months beginning January 7, 1918.)

Louis F. Curran.

Morris Hoffman.

Harry Goldman.

James H. Root.

Edward A. Duffy.

Charles F. Wilcox, Jr.

John R. Marshall.

James S. Johnstone.

Rufus W. Long.

Gynæcological Senior Interne.

(For three months beginning January 7, 1918.)

Abraham S. Troupin.

Neurological Interne.

(For four months beginning November 5, 1917.)

Alwin H. Cranz.

Accident Room House Officers.

(For three months beginning January 7, 1918.)

James Holmes. | Nathan Rosenberg.

*Junior Medical Internes.**Junior Surgical Internes.*

(For three months beginning January 7, 1918.)

Douglas H. Nisbet.

Ralph M. Johnson.

Arnold B. Kauffman.

James J. Putnam, Jr.

Harold Van Gaasbeek.

Donald S. Adams.

Herman Lande.

Edward S. Sullivan.

Harry E. Mason.

Gynæcological Junior Interne.

(For three months beginning January 7, 1918.)

Pierce J. Dunphy.

Aural Junior Interne.

(For six months beginning January 7, 1918.)

Max M. Goldberg.

Ophthalmic and Aural Externe.

(For six months beginning January 7, 1918.)

William F. Regan.

Neurological Externe.

(For four months beginning November 5, 1917.)

William De Muralt.

Gynæcological Surgical Dresser.

(For three months beginning January 7, 1918.)

Joseph M. Kuder.

HOSPITAL OFFICERS.

John J. Dowling, M. D., *Superintendent and Medical Director.*Edmund W. Wilson, M. D., *Assistant Superintendent and First Executive.*James W. Manary, M. D., *First Executive Assistant.*John A. Foley, M. D., *Second Executive Assistant.*Joseph H. Shortell, M. D., *Resident Surgeon.*William C. R. Hurley, M. D., *Third Executive Assistant.*John H. Cauley, M. D., *Night Executive Assistant.*

F. B. Mallory, M. D., *Pathologist*.
 S. Burt Wolbach, M. D., *Assistant Pathologist*.
 Frederick Parker, Jr., M. D., *Second Assistant Pathologist*.
 Leonard Rothschild, M. D., *Acting Second Assistant in Pathology*.
 Paul F. Butler, M. D., *Acting Physician for X-Ray Service*.
 Matthew N. Tennis, M. D., *Assistant Physician for X-Ray Service*.
 John Ferrin, *Chief Apothecary*.
 Miss Leonie M. Corcoran, *Registrar*.
 Miss Emma M. Nichols, *Superintendent of Nurses and Matron*.
 Miss Mary Alice McMahon, *First Assistant Superintendent of Nurses*.
 Miss Margaret J. Fallon, *Second Assistant Superintendent of Nurses*.
 Miss Frances E. Morley, *Instructor of Nurses*.
 Mrs. Elizabeth C. Farley, *Instructor of Probationers*.
 Miss Della M. Currier, *Night Supervisor of Nurses*.
 Miss Mary A. Douglass, *Assistant Matron*.
 Miss Lydia C. Lee, *Chief Dietitian*.

SOUTH DEPARTMENT.

John J. Dowling, M. D., *Medical Director*.
 Edwin H. Place, M. D., *Physician-in-Chief*.
 Hiram H. Amiral, M. D., *Assistant Physician*.
 Carl Bearse, M. D., *Assistant Physician*.
 Miss Ursula C. Noyes, *Assistant Superintendent of Nurses and Matron*.

House Officers.

(For three months beginning January 7, 1918)

Louis J. Grandison.	Harold C. Tooker.
Alexander S. Macmillan.	George E. Rönne.

HAYMARKET SQUARE RELIEF STATION.

John G. Breslin, M. D., *Resident Surgeon*.
 Bernard F. Devine, M. D., *Assistant Resident Surgeon*.
 Miss Rose F. Moran, *Matron*.

House Officers.

(For three months beginning January 7, 1918.)

Armin Klein.

| Llewellyn H. Rockwell.

Louis Strahlmann.

EAST BOSTON RELIEF STATION.

George E. Allen, M. D., *Resident Surgeon.*

George W. Papen, M. D., *Assistant Resident Surgeon.*

Miss Emma G. Cunningham, *Matron.*

CONVALESCENT HOME.

Miss Elizabeth C. Fairbank, *Matron.*

REPORT OF THE TRUSTEES.

BOSTON, February 1, 1918.

HON. ANDREW J. PETERS,

Mayor of the City of Boston:

SIR,— In compliance with the ordinances, the trustees of the Boston City Hospital present the following report of its condition for the year ending January 31, 1918. This is the fifty-fourth annual report of the Hospital Department, which consists of the main hospital, the South Department for infectious diseases, the Haymarket Square Relief Station, the East Boston Relief Station, the Convalescent Home in Dorchester and the West Department (as yet unopened).

The Board of Trustees was organized on May 7, 1917, by election of Mr. A. Shuman as president and Mr. Joseph P. Manning as secretary.

In February, 1917, Dr. Henry S. Rowen was appointed a member of the Board of Trustees.

In December, 1917, Mr. Conrad J. Rueter died, he having been a trustee since 1896. The resolutions of the Board of Trustees upon this sad event are recorded upon another page.

EXPENDITURES.

The entire expenditures for all departments of the hospital for maintenance during the fiscal year were \$865,615.55. Of the amount spent for maintenance, \$361,239.18 was expended upon personal service (see Table No. 1); \$29,451.27 upon service other than personal; \$43,132.25 upon equipment; \$411,173.83 upon supplies; \$20,065.92 upon materials; \$553.10 upon special items, such as workingmen's compensation.

To the amount expended, \$865,615.55, there should be added the difference in the amount of stock on hand

February 1, 1918, which was \$1,603 less than on January 31, 1917, making the total amount properly chargeable as the expenditures for maintenance of all departments for the year \$867,218.55. By deducting \$92,620.86 (the carefully estimated cost of the various out-patient departments) we get \$774,597.69 as the gross cost of all ward patients. This sum was expended for 45,950 weeks' board of patients, at a cost per capita of \$16.86 per week, or \$2.40 $\frac{6}{7}$ per day.

If we deduct the money collected for paying patients, interest on trust funds and other income, the net cost to the city per capita per week was \$13.92, or \$1.98 $\frac{7}{8}$ per day.

The cost of subsistence supplies was \$213,061.90; the total weeks' board for an average of 1,582 persons' was \$82,508. This gives a cost per person for uncooked food supplies of \$2.58 per week, or 36 $\frac{6}{7}$ cents per day.

PAYING PATIENTS.

During the year there has been collected for the care and treatment of patients of all classes the sum of \$129,805.99, itemized as follows: There was received from the Commonwealth of Massachusetts for the board of patients at the hospital proper, \$29,446.02; at the South Department, \$961; from various cities and towns, for hospital proper, \$18,642.60; for the South Department, \$177.14; collected at the superintendent's office, on account of private room, ward and Out-Patient Department paying patients, \$50,385.32, of which \$6,628.36 was from insurance cases, and \$3.75 from orthopedic appliances; for board of paying patients at the South Department, \$4,775.61; on account of ward and Out-Patient Department paying patients at the Haymarket Square Relief Station, \$1,451.28, of which \$877.58 was from insurance cases; on account of ward and Out-Patient Department paying patients at the East Boston Relief Station, \$693.20, \$429.01 of this being from insurance cases. There has also been col-

lected for the hospital, by the Health Department, for the care of infectious cases at the South Department, and paid to the City Collector, the additional sum of \$23,273.82.

The following is a tabular statement of the income from paying patients:

FEBRUARY 1, 1917, TO JANUARY 31, 1918, INCLUSIVE.

	Hospital Proper.	South Department.	Haymarket Square Relief Station.	East Boston Relief Station.	Totals.
Collected at the hospital:					
From the state.....	\$29,446 02	\$961 00			\$30,407 02
From cities and towns.....	18,642 60	177 14			18,819 74
From ward and private room patients.....	43,753 21	4,775 61	\$573 70	\$264 19	49,366 71
From insurance cases:					
House cases, including X-ray cases.....	5,616 36		306 08	64 51	5,986 95
Out-patient cases.....	1,012 00		571 50	364 50	1,948 00
From orthopedic cases.....	3 75				3 75
Totals.....	\$98,473 94	\$5,913 75	\$1,451 28	\$693 20	\$106,532 17
Collected by Health Department for contagious cases.....		23,273 82			23,273 82
Totals.....	\$98,473 94	\$29,187 57	\$1,451 28	\$693 20	\$129,805 99

The revenue was increased \$13,505.55 by X-ray charges, salvarsan treatment, removal of tonsils and adenoids, issuing of certificates, circumcision and payment of nurses' board.

A table showing the revenue received from paying patients, interest on trust funds, sale of old material and other sources, will be found on page 50 of the superintendent's report.

X-RAY DEPARTMENT.

During the past year much new material has been provided. There has been a great increase in the

teaching clinic, both to medical students and to officers of the Medical Corps, U. S. A. Most of the teaching in the army X-ray school, located in Boston, has been done in this department. Considerable assistance also was given to army students taking other courses in the hospital.

The X-Ray Department at the Haymarket Square Relief Station is serving its purpose of giving quick diagnoses and relieving the main department of considerable work.

Dr. Samuel W. Ellsworth, head of the department, joined the Reserve Corps in June, but fortunately was ordered by the War Department to remain at the clinic as instructor in the Boston School of Roentgenology, U. S. A. His work was here until December, when he was obliged to leave for military service. Dr. Paul F. Butler then became acting physician for X-ray service.

The following table indicates the work of the past year:

Number of photographs taken	29
Number of dental films	1,193
Number of gastro-intestinal examinations	942
Number of patients examined	12,347
Number of radium and X-ray treatments	238
Number of negatives taken	26,003
Total attendance of patients	15,173
Total ward patients treated and examined	4,560
Total out-patients treated and examined	8,025

DEPARTMENT FOR VACCINE AND SERUM THERAPY.

The number of patients receiving bacterial vaccines was 264; number of nurses and members of the Hospital Unit inoculated against typhoid or paratyphoid, 419; total number of visits to the vaccine clinic, 2,842; curative inoculations given, 1,841; protective inoculations given, 1,069. The number of patients under antisymphilitic treatment was 241; cases of syphilis of the central nervous system treated by intradural injections of salvarsanized serum, 73; number of diarsenol injections, 686; number of mercury injections, 267; number of

intradural treatments, 263; specimens taken for Wassermann tests, 471. The total number of patients in the department (including persons coming for protective inoculations) was 924, and the number of visits of patients was 4,271.

PATHOLOGICAL LABORATORY.

The laboratory this year has necessarily felt the influence of the great war. Three of the assistants enlisted in the Medical Officers Reserve Corps and have been on duty at Camp McClellan and Camp Devens. The present first assistant will probably have to go with the Hospital Unit when it crosses over to France. So far it has been impossible to get any other assistants and the prospects for the future are not at all bright. For internes we have had to depend on temporary appointments of recent graduates who have a few months to spare before entering on their clinical duties at the hospitals.

Under these conditions research work is practically out of the question. All we can do is to attempt to perform the routine work in an acceptable manner and to keep the laboratory running in a serviceable condition.

The work in the clinical laboratory is at a complete standstill, except for the ordinary routine, owing to the clinical laboratory assistant having been sent to one of the camps.

The results obtained by Doctor Mallory and Doctor Medlar in their investigation of measles are interesting so far as they go. Doctor Mallory and Doctor Medlar have been able to find out the cell changes which occur in the lesions of the skin but nothing definite in regard to the etiology of the disease. They will probably hold the paper for the present, instead of publishing it, in the hopes of obtaining tissue from one or more of the fulminating cases which are likely to occur at some of the army encampments.

Doctor Parker has made a careful study of necrosis and regeneration of the gland and islet cells in the

pancreas in a series of 100 autopsies and at the same time examined for similar lesions in the heart, liver, kidney and adrenal gland. The results are of much interest and well worth publishing.

Doctor Mallory and Doctor Parker have also undertaken to analyze all the cases of cirrhosis of the liver which have come to autopsy during the past twenty-one years and to divide them into groups according to the etiology of the lesion. They have undertaken the work primarily in order to find out the proportion of cases which belong to the common so-called alcoholic type of cirrhosis.

WORK OF THE PATHOLOGICAL LABORATORY FOR THE YEAR.

Autopsies	103
Surgical diagnoses	1,919
Autopsy bacteriology	72
Clinical bacteriology	* 1,537
Negative cultures	* 565
Blood cultures	† 245
Negative blood cultures	† 161
Guinea pig, tuberculosis	75
Guinea pig, diphtheria	16
Bacillus diphtheria (South Department)	28,877
Wassermann reactions	5,638
Schwartz reactions	144

OUT-PATIENT DEPARTMENT.

The Out-Patient Department statistics may be found on pages 29, 31 and 34 in the superintendent's report.

The number of patients treated in the Out-Patient Department during the past year has been 34,297. The number of visits was 130,336.

SOUTH DEPARTMENT.

During the twenty-three years that the department has been in operation, 57,123 patients have been received, nearly all ill with an infectious disease.

* 63.3 per cent positive.

† 34.3 per cent positive.

The following are extracts from the report of the Advisory Board of the South Department, which may be of interest:

The closing months of the past year have been marked by a very rapid increase in patients, especially diphtheria, of which a large number have been severe cases, requiring long convalescence. The number of patients jumped from 184 on October 1 to 347 on January 1, 888 patients being admitted in those three months. One half of the scarlet fever wards are devoted to diphtheria.

The war has already had a marked influence on our staff. All the younger men, on whom we ordinarily depend, are now in the service and it has been impossible to secure men for vacancies. Illness took off duty first one and then the other assistant physician, so that from November 24 to January 5 only one assistant was on duty.

Two of our five head nurses are on the Hospital Unit and will leave when the unit is called. The number of nurses actually available for duty is at times not better than one per thirty patients and does not average better than one per twelve patients.

The harder times lead patients to seek a free hospital treatment when at other times they would not.

These are the facts which we must face now, while the possibility of much worse conditions in the future is great.

If more physicians and nurses cannot be secured and the number of patients cannot be restricted, the only measure that I can suggest to prevent a marked and probably disastrous lowering of our standards would be to improve the efficiency of each nurse.

There has been great improvement during the past three years in conserving the energy of the nurse, but practically all the obvious ways of further conserving her energy call for construction, or additional apparatus, or more employees and therefore more expense. Most of it has been discussed before in drawing up the new plans.

Our most urgent need continues to be more facilities and especially "isolation" facilities.

HAYMARKET SQUARE RELIEF STATION.

This Relief Station has been in commission sixteen years. In these sixteen years, 546,469 patients have

been treated. The number of patients treated during the first year was 20,150 and during the present year 27,273, a very great increase. These patients received 28,172 days' treatment.

EAST BOSTON RELIEF STATION.

In the nine years that the East Boston Relief Station has been in operation 122,428 patients have been treated. For the year ending January 31, 1918, 10,918 patients were treated. These patients received 27,316 days' treatment.

CONVALESCENT HOME.

The number of patients treated during the year was 369, who received 7,020 days' treatment.

CHANGES IN RULES.

The following changes were made in the rules during the year:

A Dental Service was established, the following titles being created: a Dentist in Chief, an Assistant Dentist in Chief, three Visiting Dentists.

The Department of Gynæcology was made a part of general Surgery, Obstetrics remaining a separate department.

The Neurological Department was separated from the Dermatological Department.

The following committee was chosen to plan and control the method of instruction in the Training School for Nurses: The Hospital Superintendent, the Superintendent of Nurses and one member of the Senior Staff.

Owing to conditions existing as a result of war, the term of service for medical, surgical and gynæcological house officers was reduced to four periods of three months each.

The hours for treatment of out-patients was changed from "9 to 11 a. m." to "8.30 to 10.30 a. m."

It was voted that during the period of the war the Neurological Out-Patient Department be open only three days each week.

It was voted that the Social Service Department be hereafter known as the "Department of Medical Social Work of the Boston City Hospital."

OBITUARY.

Conrad J. Rueter, Trustee of the Boston City Hospital, died on December 18, 1917. The following resolutions on his death were passed by the Board of Trustees:

It is with feelings of deep regret that we record the passing away of our esteemed fellow trustee, Conrad J. Rueter.

For twenty-one years he was a member of the Board of Trustees of the Boston City Hospital, having been appointed under the administration of Hon. Josiah Quincy.

He was zealous and earnest in his efforts for the good of the hospital and deeply interested in its progress and welfare.

A man of generous impulses, with good judgment, able and efficient, he will be missed not only by the Board but by a host of friends who knew him best.

We therefore desire to express our profound sorrow at his death and to offer our tribute of respect to his memory.

We extend to his bereaved family our sincere sympathy and condolence in their affliction.

George Plummer Howe, M. D., Assistant to the Physician for Diseases of the Skin, died while serving in the English Army. The following resolutions were sent by the trustees to his family:

The trustees learn with great sorrow of the death in France of Dr. George Plummer Howe, a physician at this hospital, while serving as a lieutenant in the English Army. Their grief finds consolation in the thought that his heroic sacrifice has been made in fighting for the principles and purposes for which the United States is now at war and contending.

The hospital is honored in the service of such a man upon its staff; and be it resolved that the foregoing be spread upon the records of this hospital as a token of the sorrow of the trustees, as well as of their appreciation of Doctor Howe as a physician and as a patriot.

MEDICAL AND SURGICAL STAFF.

The following are the resignations, appointments and promotions in the Medical and Surgical Staff during the past year.

John C. Bossidy, M. D., Visiting Ophthalmic Surgeon, resigned, a letter of thanks for his services to the hospital being sent him.

Horace Gray, M. D., Second Assistant Visiting Physician; Hale Powers, M. D., Second Assistant Visiting Physician for Diseases of the Nervous System; Arthur P. Perry, M. D., Assistant to the Physician for Diseases of the Skin; L. R. G. Crandon, M. D., Visiting Surgeon; Albert Ehrenfried, M. D., First Assistant Visiting Surgeon; Joseph A. Ring, D. M. D., Dentist; James E. Cox, D. M. D., Dentist, resigned their positions.

A Dental Service was established and the following appointments made: Stephen P. Mallett, D. M. D., Dentist-in-Chief; William A. Canavan, D. M. D., Assistant Dentist-in-Chief; Albert C. Cormier, D. M. D., Harold A. Carnes, D. M. D., and George W. Whichelow, D. M. D., Visiting Dentists.

Earle H. MacMichael, M. D., was appointed Second Assistant Visiting Physician for Diseases of the Nervous System.

The following appointments have been made for terms of six months: To the position of Assistant to Out-Patient Surgeons: William R. Morrison, M. D., service beginning September 28, 1917; Wilbert C. Hardy, M. D., service beginning January 17, 1918; Augustus Riley, M. D., and Reginald D. Margeson, M. D., service beginning January 24, 1918; Carl T. Harris, M. D., service beginning January 31, 1918. To the position of Assistant to the Visiting Physicians: Joseph M. Lynch, M. D., service beginning October 26, 1917; Harry A. Nissen, M. D., service beginning January 24, 1918. To the position of Assistant to the Surgeons for Diseases of Women: Frank C. R. Konrad, M. D., service beginning April 1, 1917; Joseph P. Cohen, M. D., service beginning November 2, 1917. To the position of

Assistant to the Ophthalmic Surgeons: Leander M. Crosby, M. D., service beginning November 30, 1917. To the position of Assistant to the Physician for Physical Therapeutics: Robert Bonney, M. D., service beginning October 11, 1917.

The following promotions have been made: Townsend W. Thorndike, M. D., Assistant to the Physician for Diseases of the Skin, was made Physician for Diseases of the Skin; Horace Binney, M. D., First Assistant Visiting Surgeon, was made Visiting Surgeon; Irving J. Walker, M. D., and Arthur R. Kimpton, M. D., Out-Patient Surgeons, were made First Assistant Visiting Surgeons; Francis F. Henderson, M. D., and Herbert H. Howard, M. D., Assistants to the Out-Patient Surgeons, were made Out-Patient Surgeons.

GIFTS.

With grateful appreciation the trustees acknowledge the replacing of worn American flags with new ones on the grounds of the main hospital, on the Superintendent's house, the Haymarket Square Relief Station and the East Boston Relief Station, by President Shuman; also the gift of a Kromayer lamp to the Dermatological Department by Dr. Townsend W. Thorndike, Physician for Diseases of the Skin.

The trustees desire to express their sincere appreciation of the continued interest and generous aid rendered to the hospital by his Honor the Mayor and the City Council; of the unselfish devotion of the Medical and Surgical Staffs and their skillful care and treatment of the sick and afflicted; and of the faithful and efficient work of the Superintendent and his assistants, which has been a source of great strength and benefit to the trustees.

Respectfully submitted,

A. SHUMAN, *President.*

JOSEPH P. MANNING, *Secretary.*

THOMAS A. FORSYTH.

HENRY S. ROWEN, M. D.

REPORT OF THE SUPERINTENDENT AND MEDICAL DIRECTOR.

BOSTON CITY HOSPITAL, February 1, 1918.

To the Trustees:

GENTLEMEN,— I have the honor to present herewith the annual report of the Hospital Department for the year ending January 31, 1918.

On June 1, 1864, the Boston City Hospital was opened for the admission of patients. Since that time the number of house patients treated in the different departments has been 452,543 and the number of out-patients 1,763,376. The table on page 31 shows the number of patients who have applied for admission and been treated in the hospital proper and the South Department during the last ten years. The principal statistics for the year are shown on pages 33 and 34. The other tables are self-explanatory.

Patients admitted to the hospital according to services:

Medical services	5,726
Surgical services	6,899
Gynæcological and obstetrical service	2,126
Ophthalmic service	162
Aural and laryngological service	1,969
Neurological service	608
Dermatological service	95
Total	<u>17,585</u>

Number of visits of patients to the hospital for advice and treatment in the Out-Patient Departments:

Medical diseases	11,812
Surgical diseases	84,907
Diseases of the eye	6,871
Diseases of the ear and throat	11,280
Carried forward	<u>114,870</u>

<i>Brought forward</i>	114,870
Diseases of the skin	4,624
Diseases of women	4,042
Diseases of the nervous system	5,747
X-ray and radium treatment and examination	10,613
Vaccine and serum inoculation:	
Visits of out-patients	3,218
Visits of nurses and members of Hospital Unit for inoculation against typhoid and paratyphoid fever	1,053
	<hr/> 4,271
Total	<hr/> 144,167
Less visits counted more than once:	
In X-Ray Department	10,613
In Vaccine and Serum Therapy Depart- ment	3,218
	<hr/> 13,831
Total visits	<hr/> <u>130,336</u>

TABLE OF ADMISSIONS AND DEATHS FROM FEBRUARY 1, 1908, TO JANUARY 31, 1918.
Hospital Proper and South Department.

	Patients Examined for Ad- mission.	Patients Admitted.	Patients - Acciden- tally Injured.	Number of Out- Patients Treated.	Number of Patients in Hospital at Beginning of Year.	Number of Ward Patients Treated.	Died.	Rate of Mortality.
February 1, 1908, to January 31, 1909.....	17,741	12,403	898	42,310	758	13,161	1,401	.106
February 1, 1909, to January 31, 1910.....	15,397	11,674	928	39,482	828	12,502	1,327	.106
February 1, 1910, to January 31, 1911.....	16,261	13,074	1,075	40,032	785	13,859	1,483	.107
February 1, 1911, to January 31, 1912.....	15,747	13,033	1,232	38,129	744	13,777	1,611	.117
February 1 1912, to January 31, 1913.....	17,557	14,236	1,420	42,309	779	15,015	1,609	.107
February 1, 1913, to January 31, 1914.....	19,115	15,237	1,362	47,385	933	16,170	1,696	.105
February 1, 1914, to January 31, 1915.....	20,222	16,498	1,410	43,891	893	17,391	1,671	.096
February 1, 1915, to January 31, 1916.....	22,449	18,456	1,508	39,351	949	19,405	1,760	.091
February 1, 1916, to January 31, 1917.....	24,281	19,800	1,328	35,867	935	20,735	1,885	.091
February 1, 1917, to January 31, 1918.....	24,542	20,753	2,262	34,297	859	21,612	1,948	.090

The total number of patients admitted to the wards since the opening of the hospital and South Department has been 424,059 and the number of out-patients has been 1,112,797.

HOSPITAL PROPER.

APPLICANTS EXAMINED FOR ADMISSION DURING THE
YEAR.

YEAR.	Month.	Number Examined.	Number Admitted.	Number not Admitted.
1917.	February.....	1,608	1,357	251
	March.....	1,890	1,538	352
	April.....	1,948	1,593	355
	May.....	1,985	1,618	367
	June.....	1,934	1,450	484
	July.....	1,648	1,336	312
	August.....	2,064	1,448	616
	September.....	1,810	1,441	369
	October.....	1,586	1,476	110
	November.....	1,444	1,384	60
	December.....	1,440	1,393	47
1918.	January.....	1,662	1,551	111
	Totals.....	21,019	17,585	3,434

HOSPITAL PROPER.

PRINCIPAL STATISTICS, 1917-18.

Number of Patients.

Number of patients remaining in the hospital proper January 31, 1917	662
Admitted from February 1, 1917, to January 31, 1918, inclusive:	
Medical	5,726
Surgical	6,899
Gynæcological and obstetrical	2,126
Ophthalmic	162
Aural and laryngological	1,969
Neurological	608
Dermatological	95
	<hr/> 17,585
Treated during the year	18,247
Discharged during the year	15,917
Died during the year	1,697
	<hr/> 17,614
Number of patients remaining in the hospital proper January 31, 1918	633
Number of births during the year	362
Largest number of patients in the hospital at any one time	732
Smallest number of patients in the hospital at any one time	486
Daily average number of patients	606.6
Average number of days' stay of patients	12.1
Number of weeks' treatment given in hospital	31,630
Number of days' treatment given in hospital	221,412
Number of applicants for admission to hospital	21,019
Number of applicants rejected	3,434
Number of patients treated in Out-Patient Depart- ments	34,297

Number of visits made by out-patients	130,336
Patients carried in ambulances	6,032
Number of patients accidentally injured, admitted to the wards	2,262

Number of out-patients treated in the Out-Patient Departments, classified according to diseases:

For medical diseases	5,646
For surgical diseases	17,400
For diseases of the eye	2,427
For diseases of the ear and throat	4,283
For diseases of the skin	2,062
For diseases of women	1,285
For diseases of the nervous system	775
For X-ray and radium treatment	8,025
For vaccine and serum inoculation:	
Out-patients treated	505
Nurses and members of Hospital Unit inoculated against typhoid and para- typhoid fever	419
	<hr/> 924
Total	42,827
Less patients counted more than once:	
In X-ray Department	8,025
In Vaccine and Serum Therapy Depart- ment	505
	<hr/> 8,530
Total number of out-patients treated	<u>34,297</u>

PRESENT CAPACITY OF THE HOSPITAL DEPARTMENTS.

The schedule of beds is as follows:

Hospital proper	680
South Department	340
West Department (as yet unopened)	165
Haymarket Square Relief Station	24
East Boston Relief Station	10
Convalescent Home	34
	<hr/> 1,253

The distribution of the beds in the Main Department is as follows:

	WARD.			PRIVATE.		Totals.
	Males.	Females.	Children.	Males.	Females.	
Surgical.....	152	74	30	9	9	274
Medical.....	129	89	16	8	7	249
Gynæcological and obstet- rical.....		77	20	.....	3	100
Aural and laryngological....	5	5	4	.....	.....	14
Ophthalmic.....	5	4	.....	.....	.....	9
Neurological.....	15	11	.....	.....	.....	26
Dermatological.....	4	4	.....	.....	.....	8
Totals.....	310	264	70	17	19	680

STATISTICS OF PATIENTS ACCORDING TO SERVICES.

February 1, 1917, to January 31, 1918, Inclusive.

SERVICES.	In Hospital February 1, 1917.	Admitted.	Discharged.	Died.	Total Discharged and Died.	In Hospital February 1, 1918.
First Surgical.....	46	1,356	1,261	90	1,351	51
Second Surgical.....	44	1,457	1,331	117	1,448	53
Third Surgical.....	48	1,334	1,230	95	1,325	57
Fourth Surgical.....	47	1,328	1,227	95	1,322	53
Fifth Surgical.....	47	1,424	1,305	116	1,421	50
First Medical.....	70	1,405	1,169	241	1,410	65
Second Medical.....	68	1,522	1,305	231	1,536	54
Third Medical.....	72	1,407	1,164	251	1,415	64
Fourth Medical.....	68	1,392	1,190	207	1,397	63
Gynæcological and Obstetrical,	87	2,126	2,032	110	2,142	71
Ophthalmic.....	11	162	166	.....	166	7
Aural and laryngological.....	21	1,969	1,955	19	1,974	16
Neurological.....	24	608	490	115	605	27
Dermatological.....	9	95	92	10	102	2
Totals.....	662	17,585	15,917	1,697	17,614	633

RECEIPTS AND EXPENDITURES.

Receipts.

City appropriations	\$844,835 62	
	15,000 00	
	3,934 58	
	<hr/>	\$863,770 20
Interest on trust funds		2,164 00
		<hr/>
		\$865,934 20
Deduct:		
Balance returned to city treasury		318 65
		<hr/>
		<u>\$865,615 55</u>

Expenditures.

All departments of hospital	<u>\$865,615 55</u>
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APPLICANTS NOT ADMITTED DURING THE YEAR.

*February 1, 1917, to January 31, 1918, Inclusive.**Cause of rejection:*

For want of accommodation	5
For want of sufficient information	9
Referred to Out-Patient Departments	3,035
Nonresident	383
Miscellaneous	10
	<hr/>
Total	3,442
Admitted within three days or later	8
	<hr/>
Total not admitted	<u>3,434</u>

RECORD OF AMBULANCE WORK.

*Transportation to the Hospital.**Trips to:*

Business center	142
North End	209
West End	397
Back Bay	172
South End	1,081
Roxbury	1,081
	<hr/>
Carried forward	3,082

RECORD OF AMBULANCE WORK.—*Concluded.**Transportation to the Hospital.—Concluded.*

<i>Brought forward</i>	3,082
West Roxbury	23
Dorchester	651
South Boston	641
East Boston	452
Charlestown	397
Jamaica Plain	122
Brighton	153
Roslindale	38
Hyde Park	68
Chelsea	1
Brookline	3
Somerville	1
<hr/>	
Total trips in	5,632
Did not come	192
<hr/>	
Patients brought	<u>5,440</u>

Transportation from the Hospital.

Convalescent Home	69
Patients' homes	116
Other hospitals	252
<hr/>	
Trips out	437
Carried extra	155
<hr/>	
Patients carried	<u>592</u>

Summaries.

Total number of trips	6,069
Total patients transferred	<u>6,032</u>

*Record of Limousine Trips for Physicians and Surgeons.**In bringing:*

The physician and the surgeon	<u>260</u>
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Number of miles the ambulances have run, as shown by odometer count, in all departments	<u>45,283</u>
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CENSUS OF DAYS' BOARD OF ALL PERSONS.

February 1, 1917, to January 31, 1918, Inclusive.

	Patients.	Officers and Employees.	Total Days' Board.
Hospital proper.....	221,412	182,859	404,271
South Department.....	90,409	52,167	142,576
Haymarket Square Relief Station.....	1,663	12,712	14,375
East Boston Relief Station.....	1,146	5,127	6,273
Convalescent Home.....	7,020	3,042	10,062
Totals.....	321,650	255,907	577,557

DAILY AVERAGE OF PERSONS.

	Patients.	Officers and Employees.	All Persons.
Hospital proper.....	606.6	501.0	1,107.6
South Department.....	247.7	142.9	390.6
Haymarket Square Relief Station.....	4.6	34.8	39.4
East Boston Relief Station.....	3.1	14.1	17.2
Convalescent Home.....	19.2	8.3	27.5
Totals.....	881.2	701.1	1,582.3

	Hospital Proper.	South Department.	Haymarket Square Relief Station.	East Boston Relief Station.	Convalescent Home.	All Departments.
Maximum number of days' board of patients.....	732	352	16	9	33	.....
Minimum number of days' board of patients.....	486	147	0	0	8	.....
Maximum number of days' board of persons.....	1,249	508	48	23	40	1,771
Minimum number of days' board of persons.....	945	284	33	13	15	1,335

HOSPITAL PROPER.

NATIVITY OF PATIENTS ADMITTED DURING THE YEAR.

Boston.....	6,371	<i>Brought forward...</i>	16,349
Other cities and towns in Massachusetts....	1,606	Cape Verde Islands...	12
Maine.....	389	Holland.....	10
New Hampshire.....	180	Hungary.....	10
Vermont.....	99	Australia.....	9
Rhode Island.....	114	Albania.....	8
Connecticut.....	114	Switzerland.....	8
Other states.....	914	Azores.....	8
Ireland.....	2,284	Spain.....	6
British Provinces.....	1,298	Lithuania.....	6
Russia.....	968	Porto Rico.....	5
Italy.....	628	Barbadoes.....	5
England.....	364	Wales.....	5
Sweden.....	161	Japan.....	4
Scotland.....	159	British East Indies....	4
Germany.....	132	Bermuda.....	4
Greece.....	79	Asia Minor.....	3
Poland.....	72	Argentina.....	2
Austria.....	69	British Guinea.....	2
Portugal.....	53	Galicia.....	2
Norway.....	40	Egypt.....	2
Syria.....	37	Cuba.....	2
British West Indies....	34	Mexico.....	1
France.....	29	Venezuela.....	1
Armenia.....	22	Sicily.....	1
Turkey.....	22	South Africa.....	1
China.....	22	Brazil.....	1
Belgium.....	21	Palestine.....	1
Roumania.....	19	Bohemia.....	1
Finland.....	18	Isle of Santos.....	1
Denmark.....	16	South America.....	1
Jamaica.....	15	Unknown.....	1,110
<i>Carried forward...</i>	16,349	Total.....	<u>17,585</u>

CONDITION OF PATIENTS DISCHARGED DURING THE
YEAR.

Well.....	2,632	<i>Brought forward...</i>	15,907
Relieved.....	11,869	Not treated.....	10
Not relieved.....	1,406	Died.....	1,697
	<hr/>		<hr/>
<i>Carried forward...</i>	15,907	Total.....	<u>17,614</u>

SOUTH DEPARTMENT.

APPLICANTS EXAMINED FOR ADMISSION DURING THE YEAR.

YEAR.	Month.	Number Examined.	Number Admitted.	Number not Admitted.
1917.	February.....	251	225	26
	March.....	283	252	31
	April.....	354	316	38
	May.....	402	335	67
	June.....	323	277	46
	July.....	227	204	23
	August.....	198	181	17
	September.....	220	207	13
	October.....	261	249	12
	November.....	322	305	17
	December.....	371	346	25
1918.	January.....	311	271	40
	Totals.....	3,523	3,168	355

APPLICANTS NOT ADMITTED DURING THE YEAR.

February 1, 1917, to January 31, 1918, Inclusive.

CAUSE OF REJECTION.	1917. February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	1918. January.	Totals.
Self-rejected.....	3	1	1	6	10	4	4	3	...	5	11	15	63
No infectious diseases.....	20	22	20	30	23	17	9	9	11	11	11	10	193
Want of accommodation.....				{ * 1 † 6			† 2				† 1	{ \$ 1 ‡ 3	14
Parotitis ||.....	1	2	1	1	2	...	2	1	1	1	2	...	14
Rubella ||.....	2	3	12	17	8	2	...	...	...	...	...	9	53
Varicella ||.....	...	3	4	6	3	...	...	...	...	...	...	2	18
Totals.....	26	31	38	67	46	23	17	13	12	17	25	40	355

* Diphtheria. † Measles. ‡ Pertussis. § Scarlet fever. || No wards for these diseases.

NATIVITY OF PATIENTS ADMITTED TO THE SOUTH DEPARTMENT DURING THE YEAR.

Boston.....	2,026	<i>Brought forward...</i>	2,868
Other cities and towns in Massachusetts...	336	Austria.....	4
Maine.....	54	Germany.....	4
New Hampshire.....	23	France.....	3
Vermont.....	14	Poland.....	3
Rhode Island.....	17	Turkey.....	3
Connecticut.....	18	Greece.....	2
Other states.....	108	Portugal.....	2
British Provinces.....	130	Denmark.....	1
Ireland.....	60	Norway.....	1
Russia.....	23	Belgium.....	1
Italy.....	22	Holland.....	1
England.....	20	Finland.....	1
Sweden.....	6	Roumania.....	1
West Indies.....	6	South America.....	1
Scotland.....	5	Unknown.....	272
<i>Carried forward...</i>	2,868	<i>Total.....</i>	<u>3,168</u>

CONDITION OF PATIENTS DISCHARGED FROM THE SOUTH DEPARTMENT DURING THE YEAR.

Well.....	2,612	<i>Brought forward...</i>	2,818
Relieved.....	188	Died.....	251
Not relieved.....	18	<i>Total.....</i>	<u>3,069</u>
<i>Carried forward...</i>	2,818		

PRINCIPAL STATISTICS FOR THE YEAR FEBRUARY 1, 1917, TO JANUARY 31, 1918.

Number of patients remaining in the South Department January 31, 1917	197
Admitted from February 1, 1917, to January 31, 1918,	<u>3,168</u>
Treated during the year	3,365
Discharged during the year	2,818
Died during the year	<u>251</u>
	<u>3,069</u>
Number of patients remaining January 31, 1918	296
Maximum number of patients at any one time	352

Minimum number of patients at any one time	147
Daily average number of patients	247.7
Average number of days' stay of patients	26.9
Number of days' treatment given patients	90,409
Number of weeks' treatment given patients	12,916
Number of patients admitted over fifteen years of age,	517
Average age of patients	8.5
Number of patients dying within forty-eight hours of admission	77
Percentage of deaths to discharges	8.2
The death rate from all diseases	7.4
The death rate from all diseases, deducting deaths within twenty-four hours of admission	5.2

If a comparison is made between the South Department and the hospital proper as to the number of days' board given patients, it will be found that at the former it is 90,409, while at the latter it is 221,412.

Table No. 1.

EXPENDITURES, CLASSIFIED, FOR THE YEAR ENDING
JANUARY 31, 1918.

GROUP AND ITEM.	ALL DEPARTMENTS.	
	1917-1918.	
A. PERSONAL SERVICE.....		\$361,239 18
Permanent employees.....	\$354,873 06	
Temporary employees.....	4,394 92	
Unassigned.....	1,971 20	
B. SERVICES OTHER THAN PERSONAL.....		29,451 27
Printing and binding.....	\$256 58	
Postage.....	1,141 43	
Advertising and posting.....	23 60	
Transportation of persons.....	657 57	
Cartage and freight.....	324 72	
Light and power.....	4,841 22	
Insurance.....	195 14	
Premium on surety bond.....	95 65	
Communication.....	3,897 61	
Motor vehicle repairs.....	969 91	
Motorless vehicle repairs.....	35 10	
Care of horses.....	618 86	
Removal of snow.....	679 51	
Veterinary.....	13 00	
Testing material and supplies.....	6 00	
Expert and architect.....	1,515 25	
Fees, service of venires, etc.....	13 00	
Photographic and blueprinting.....	28 61	
General plant repairs.....	13,995 39	
Harness, etc., repairs.....	6 55	
Horseshoeing and clipping.....	136 57	
C. EQUIPMENT.....		43,132 25
Electrical.....	\$278 75	
Motor vehicles.....	2,315 04	
Carried forward.....	\$2,593 79	\$433,822 70

EXPENDITURES, CLASSIFIED, FOR YEAR ENDING JANUARY 31, 1918.— *Cont.*

GROUP AND ITEM.	ALL DEPARTMENTS.	
	1917-1918.	
<i>Brought forward</i>	\$2,593 79	\$433,822 70
C. EQUIPMENT.— <i>Concluded.</i>		
Stable.....	3 00	
Furniture and fittings.....	14,689 38	
Educational and recreational.....	125 55	
Office.....	290 43	
Medical, surgical, laboratory.....	15,938 47	
Tools and instruments.....	3,575 18	
Live stock.....	243 35	
Wearing apparel.....	4,797 98	
General plant.....	875 12	
D. SUPPLIES.....		411,173 83
Office.....	\$9,907 57	
Food and ice.....	217,033 00	
Fuel.....	100,500 57	
Forage and animal.....	838 06	
Medical, surgical, laboratory.....	66,534 51	
Veterinary.....	1 00	
Laundry, cleaning and toilet.....	10,886 07	
Educational and recreational.....	324 01	
Agricultural.....	462 31	
Motor vehicle.....	2,137 52	
Chemicals and disinfectants.....	580 31	
General plant.....	1,968 90	
E. MATERIALS.....		20,065_92
Building.....	\$8,741 99	
Machinery.....	1,651 49	
Electrical.....	2,831 07	
General plant.....	6,841 37	
F. SPECIAL ITEMS.....		553 10
Workingmen's compensation.....	\$553 10	
Total expenditures.....		\$865,615 55
STOCK ON HAND FEBRUARY 1, 1917.		
<i>All Departments.</i>		
General supplies.....	\$35,309 02	
Coal.....	12,496 57	
<i>Carried forward</i>	\$47,805 59	\$865,615 55

EXPENDITURES, CLASSIFIED, FOR YEAR ENDING JANUARY 31, 1918.— *Concl.*

GROUP AND ITEM.	ALL DEPARTMENTS.	
	1917-1918.	
<i>Brought forward</i>	\$47,805 59	\$865,615 55
STOCK ON HAND FEBRUARY 1, 1917.— <i>Concluded.</i>		
<i>All Departments.</i>		
Medical supplies.....	6,667 16	
Liquors.....	190 25	54,663 00
		\$920,278 55
DEDUCT.		
STOCK ON HAND FEBRUARY 1, 1918.		
<i>All Departments.</i>		
General supplies.....	\$34,448 27	
Coal.....	8,107 70	
Medical supplies.....	10,043 68	
Liquors.....	460 35	53,060 00
Total maintenance expenses.....		\$867,218 55
DEDUCT REVENUE.		
Income from paying patients:		
Collected by hospital.....	\$106,532 17	
Collected by Board of Health for con- tagious cases.....	23,273 82	\$129,805 99
Revenue on account of maintenance:		
Interest on trust funds.....	2,164 00	
Sundry revenue:		
Sale of bones and trimmings.....	\$2,149 55	
Sale of old material, including horses, stable equipment, books, paper, rags, etc.....	549 40	
Commission on automatic telephones.....	151 56	
Rent of land for store.....	100 00	
Birth fees.....	87 00	
Interest on bank deposit.....	74 47	
Sale of standing grass.....	20 00	
Refund on freight.....	40	
	3,132 38	135,102 37
Net cost to the city for maintaining all departments from February 1, 1917, to January 31, 1918, inclusive.....		\$732,116 18

Table No. 2.

EXPENDITURES ON FOOD, ICE AND FUEL.

February 1, 1917, to January 31, 1918, Inclusive.

ARTICLES.	Quantity.	Average Price.	Cost.	Total.
FOOD.				
Beef and veal.....	139,511 lbs.	\$0 162 per lb.	\$22,636 85	
Mutton and lamb.....	58,098 "	203 "	11,777 57	
Poultry.....	59,491 "	254 "	15,104 38	
Pork and hams.....	58,695 "	204 "	11,974 43	
Fish.....			6,776 46	
Lard.....	6,037 lbs.	172 per lb.	1,036 77	
Table milk.....	475,613 qts.	080 per qt.	37,975 51	
Malted and modified milk.....			1,024 89	
Butter.....	56,109 lbs.	404 per lb.	22,677 93	
Cheese.....	2,084 "	287 "	599 08	
Eggs.....	61,488 doz.	432 per doz.	26,544 30	
Vegetables, fresh.....			12,453 77	
Vegetables, canned.....			4,989 86	
Fruit, fresh.....			5,693 07	
Fruit, canned.....			4,286 41	
Flour.....	806½ bbls.	10 352 per bbl.	8,344 92	
Graham flour.....	10½ "	9 546 "	97 85	
Oatmeal.....	73½ "	7 923 "	582 35	
Cornstarch and farina.....	1,867 lbs.	056 per lb.	104 00	
Rice.....	12,400 "	051 "	642 50	
Other cereals.....			2,231 64	
Groceries.....			2,693 47	
Coffee.....	14,568 lbs.	177 per lb.	2,581 03	
Tea.....	5,373 "	248 "	1,333 08	
Chocolate and cocoa.....	2,455 "	156 "	384 18	
Sugar.....	102,460 "	081 "	8,310 50	
Molasses and syrup.....	429½ gals.	477 per gal.	205 09	
				<u>\$213,061 90</u>
ICE.				
Ice.....	1,067 ¹¹¹⁹ / ₂₀₀₀ tons.	3 72 per ton.	\$3,971 10	
				<u>\$3,971 10</u>
FUEL.				
Steaming coal.....	11,364 ¹¹¹⁹ / ₂₂₄₀ tons.	8 35 per ton.	\$94,891 48	
Anthracite coal.....	727 ¹⁸²⁰ / ₂₀₀₀ "	7 519 "	5,473 68	
Charcoal.....			120 70	
Wood.....			14 71	
				<u>\$100,500 57</u>

Table No. 3.

COMPARISON OF THE CENSUS AND EXPENDITURES AT THE BOSTON
CITY HOSPITAL FOR THE FISCAL YEARS ENDING JANUARY 31,
1914, 1915, 1916, 1917, 1918.

POPULATION.	1913-14.	1914-15.	1915-16.	1916-17.	1917-18.
Number of inmates beginning fiscal year,	970	930	971	975	892
Number received during year.....	17,107	18,149	19,922	20,987	22,226
Number discharged during year, including deaths.....	17,147	18,108	19,918	21,070	22,147
Number at end of fiscal year.....	930	971	975	892	971
Daily average attendance (i. e., number inmates actually present) during fiscal year.....	830.9	859.5	865.3	882.4	881.2
Average number officers and employees during fiscal year.....	665.1	698.6	717.4	707.4	701.1
Total average — inmates, officers and employees.....	1,496.0	1,558.1	1,582.7	1,589.8	1,582.3
EXPENDITURES.					
Current expenditures:					
Salaries and wages.....	\$278,679 29	\$298,305 57	\$341,535 63	\$356,603 74	\$361,792 28
Clothing.....	1,679 21	2,364 42	2,883 84	3,659 46	4,797 98
Subsistence of patients and employees,	162,983 02	178,080 27	164,013 80	194,346 08	213,061 90
Ordinary repairs and replacements...	22,091 71	27,959 88	35,018 09	19,691 37	15,882 07
Office, domestic, outdoor expenses...	150,867 79	167,303 11	174,986 05	206,093 10	267,836 91
Extraordinary expenses:					
Permanent improvements.....			3,670 70	18,160 12	2,244 41
Salaries.....			2,937 32		
Grand totals.....	\$616,301 02	\$674,013 25	\$725,045 43	\$798,553 87	\$865,615 55
Deduct Out-Patient Department (estimated).....	62,822 14	67,285 64	77,683 53	85,445 26	92,620 86
Totals.....	\$553,478 88	\$606,727 61	\$647,361 90	\$713,108 61	\$772,994 69
Add or deduct difference in stock on hand at beginning and end of year....	+366 00	—9,768 00	+4,368 00	—20,650 00	+1,603 00
Gross cost for ward patients...	\$553,844 88	\$596,959 61	\$651,729 90	\$692,458 61	\$774,597 69
Deduct revenue paid to City Treasurer,	116,210 46	127,988 35	142,960 76	156,492 23	135,102 37
Net cost for ward patients.....	\$437,634 42	\$468,971 26	\$508,769 14	\$535,966 38	\$639,495 32

COMPARISON OF THE CENSUS AND EXPENDITURES.—*Concluded.*

	1913-14.	1914-15.	1915-16.	1916-17.	1917-18.
Per capita cost per ward patient per week:					
Including permanent improvements..	\$12 78	\$13 32	\$14 44	\$15 01	\$16 86
Exclusive of permanent improvements,	12 78	13 32	14 30	14 62	16 81
Including permanent improvements, and deducting money paid to City Treasurer.....	10 10	10 46	11 28	11 62	13 92
Exclusive of permanent improvements, and deducting money paid to City Treasurer.....	10 10	10 46	11 13	11 22	13 87

The tables of disbursements in this report show the expenditures of the Hospital Department during the fiscal year February 1, 1917, to January 31, 1918, inclusive. Table No. 1 shows the expenditures, classified, for the year. Table No. 2 shows the expenditures on food, ice and fuel. Table No. 3 is a comparison of the census, expenditures and per capita costs for the last five years.

The total expenditures during the fiscal year for Hospital Department, in the various branches, have been \$865,615.55, and the disbursements have been made as follows:

For Personal Service	\$361,239 18
Service Other than Personal	29,451 27
Equipment	43,132 25
Supplies	411,173 83
Materials	20,065 92
Special Items	553 10
Total	<u>\$865,615 55</u>

REVENUE FROM ALL SOURCES FOR THE YEAR FEBRUARY 1, 1917, TO JANUARY 31, 1918, INCLUSIVE.

	Hospital Proper.	South Depart- ment.	West Depart- ment.	Haymarket Square Relief Station.	East Boston Relief Station.	Convales- cent Home.	Totals.	Grand Totals.
Revenue, Account of Maintenance:								
Interest on Trust Funds.....	\$2,164 00							\$2,164 00
Sundry Revenue:								
Income from Paying Patients:								
Collected by hospital.....	98,473 94	\$5,913 75		\$1,451 28	\$693 20		\$106,532 17	
Collected by Board of Health for contagious cases.....		23,273 82					23,273 82	129,805 99
Sale of bones and trimmings.....	2,149 55							2,149 55
Sale of Old Material:								
Horses and stable equipment.....	80 00			125 00			\$205 00	
Books, paper and rags.....	161 25						161 25	
Miscellaneous.....	178 55				2 10	\$2 50	183 15	549 40
Commission on automatic telephones.....	151 56							151 56
Rent of land for store.....			\$100 00					100 00
Birth fees.....	87 00							87 00
Interest on bank deposit.....	74 47							74 47
Sale of standing grass.....			20 00					20 00
Refund on freight.....	40							40
Totals.....	\$103,520 72	\$23,187 57	\$120 00	\$1,576 28	\$695 30	\$2 50		\$135,102 37

The main hospital has four subdivisions, the hospital (wards) proper, Out-Patient Departments, the Pathological Department and the X-Ray Laboratory. The expenditures for the South Department for infectious diseases, the Haymarket Square Relief Station, the East Boston Relief Station, the Convalescent Home, and the West Department (as yet unopened) are kept in a combined table.

The expenditures of the hospital in all its departments were for the care of 23,118 patients in the wards for 321,650 days, or 45,950 weeks' board, which makes the average weekly cost of \$16.86, or a daily cost of \$2.40 $\frac{1}{2}$ for patients of all classes. The cost of uncooked food supplies for all persons, including patients and the entire household in all departments of the hospital, was \$213,061.90. The average number of patients was 881.2, of officers and employees, including house and nursing staff, 701.1, or a total daily average of 1,582.3 persons. The number of weeks' board for all persons was 82,508 and the weekly cost per person for uncooked food supplies was \$2.58, or 36 $\frac{1}{2}$ cents per day.

If to the total operating expenses, \$865,615.55, is added the decrease in stock on hand, which is \$1,603, we find the cost of maintenance \$867,218.55. If we divide the amount by 504,665, the total number of days' board given ward patients plus the number of visits of out-patients, we obtain \$1.72 as the gross cost per day for all patients.

The total expenditures in the Hospital Department have been \$865,615.55, but the net cost to the city for maintaining it was only \$732,116.18.

The maximum number of patients in the hospital proper on any one day was 732, as against 711 in the previous year. The minimum number was 486, in comparison with 472 for the previous year. The daily average during the year was 606.6, and the average length of stay was 12 $\frac{1}{10}$ days.

There have been treated in the various Out-Patient Departments at the hospital proper 34,297 patients.

Other statistics may be found elsewhere, including the number of out-patients, number of their visits, rate of mortality, work of ambulances, census of days' board for all persons, the nativity of patients admitted and physical condition of patients when discharged.

The total number of deaths from February 1, 1917, to January 31, 1918, was 1,697. This does not include the statistics of the South Department, but only the main hospital.

Of the deaths, there occurred within

48 hours of admission	631 or $3\frac{5}{10}$ per cent.
Other deaths	1,066 or $5\frac{8}{10}$ per cent.
Total	1,697 or $9\frac{3}{10}$ per cent.

the rate of mortality for the year ending January 31, 1918.

This percentage of deaths is for the *total number of patients treated* in the hospital. The deaths occurring within forty-eight hours of admission (631) were 37.18 per cent of the whole number of deaths (1,697).

During the year 18,247 patients were treated in the wards, 34,297 as out-patients, 369 at the Convalescent Home, 3,365 at the South Department; at the Haymarket Square Relief Station 764 were treated in the wards and 26,509 as out-patients, and at the East Boston Relief Station 373 were treated in the wards and 10,545 as out-patients, a total of 94,469 who have received the benefits of the hospital in all departments.

During the year 21,019 persons applied for admission at the main hospital. Of this number, 17,585 were admitted and 3,434 were rejected, the latter being 727 less than last year. The number rejected was 16 per cent of all persons applying, and the causes of rejection appear in the table of applicants not admitted, on page 36.

There were 5 applicants rejected for want of vacant beds. There were 3,035 of these applicants who could be treated more properly in the various out-patient services without the additional cost of receiving them in the wards. Admission was denied to 9 for lack of

information that they were suitable cases. Other causes of rejection appear in the tabulated form on page 36.

HAYMARKET SQUARE RELIEF STATION.

The following are the principal statistics of the Haymarket Square Relief Station for the year:

Number of patients remaining in Haymarket Square Relief Station January 31, 1917	7
Admitted from February 1, 1917, to January 31, 1918, inclusive	757
	<hr/>
Treated during the year	764
Discharged during the year	617
Died during the year	142
	<hr/>
	759
	<hr/>
Number of patients remaining in Haymarket Square Relief Station January 31, 1918	5
Number of out-patients treated	26,509
Largest number of out-patients treated on any one day	133
Number of major surgical operations	81
Number of deaths	142
Number of deaths following surgical operations	12
Number of deaths within twenty-four hours of admission	91
Number of patients accidentally injured admitted to the wards	757
Total number of accident cases treated in wards and out-patient departments	27,273
Number of days' treatment given patients in wards	1,663
Number of weeks' treatment given patients in wards	237
Largest number of ward patients on any one day	16
Smallest number of ward patients on any one day	0
Average stay of ward patients in days	2.2
Daily average in wards	4.6
Number of ambulance calls	1,276
Number of ambulance trips for transfer of admitted patients to hospital proper	438
Miscellaneous ambulance trips	13
	<hr/>
	1,727

HAYMARKET SQUARE RELIEF STATION.—*Concluded.*

Number of ward patients transferred to hospital proper	242	
Number of out-patients transferred to hospital proper	401	
	<hr/>	643
Number of cases brought in by police ambulances and patrol wagons		1,774
Number of cases brought in by carriages and automobiles		447
Total number of patients carried by Relief Station ambulances		1,932
Total number of miles run by Relief Station ambulances		6,771

EAST BOSTON RELIEF STATION.

The following are the principal statistics for the year:

Number of patients remaining in the East Boston Relief Station January 31, 1917	3	
Admitted from February 1, 1917, to January 31, 1918, inclusive	370	
	<hr/>	
Treated during the year	373	
Discharged during the year	343	
Died during the year	26	
	<hr/>	369
		<hr/>
Number of patients remaining in East Boston Relief Station January 31, 1918	4	
Number of out-patients treated	10,545	
Number of visits of out-patients	26,170	
Largest number of out-patients treated on any day,	126	
Number of major surgical operations	33	
Number of deaths	26	
Number of deaths within twenty-four hours of admission	15	
Number of days' treatment given patients in wards,	1,146	
Number of weeks' treatment given patients in wards,	164	
Largest number of ward patients on any one day	9	
Smallest number of ward patients on any one day	0	
Average stay of ward patients in days	3.1	
Daily average in wards	3.1	

EAST BOSTON RELIEF STATION.—*Concluded.*

Number of ambulance trips for transfer of admitted patients to hospital proper	155
Number of trips by East Boston Relief Station ambulance	232
Number of patients transferred to hospital proper	192
Number of patients carried by East Boston Relief Station ambulance.	192
Number of patients brought in by police ambulances, patrol wagons, carriages, automobiles, etc.	457
Number of cases accidentally injured admitted to wards	242

CONVALESCENT HOME.

The statistics of the Convalescent Home, which has just completed its twenty-seventh year, are as follows:

Number of patients in Home January 31, 1917	23
Admitted during the year	346
<hr/>	
Total treated during the year	369
Discharged during the year	336
<hr/>	
Number remaining in Home January 31, 1918	33
Largest number of patients on any one day	33
Smallest number of patients on any one day	8
Daily average number of patients	19.2
Average stay of patients in days	19

GENERAL REPAIRS.

The hospital carpenters have done much work to help in the new construction by removing all wooden partitions in Wards A and E; by remodeling basement for new ward in Pavilion III; by tearing out old storerooms under Ward A and under Ward E; by remodeling for new storeroom under Ward W; by building partitions to divide storerooms on Albany street, and by changing rooms in connection with new tunnel. For the X-Ray Department new shelves and racks for plates have been built. In the basement of the Nurses' Homes and of the Vose House trunk racks have been

made. The usual work of removing and replacing screens and storm windows and doors has been performed. At the South Department a new storeroom for the Dispensary has been made. At the Haymarket Square Relief Station doors and windows have been changed for fireproofing. At the Convalescent Home new walks, pig-pens and a fence have been constructed.

The hospital painters have performed their usual necessary work. They have done much painting in the Pathological Laboratory, the X-Ray Department, the wards, the accident room, the Library Building, the entrance building, the surgical office, the storeroom, the kitchen and the basement corridors. In Pavilion III, basement, they have varnished and finished the new ward. In the orderlies' dormitories they have painted rooms and corridors. In the center attic they have painted all room walls and ceilings. They have painted shelter near Wards W and X, also rooms in laundry. They have painted fence, storm steps, screens, also much furniture, and have set many lights of glass. They have done much work in the wards at the South Department, in various parts of the relief stations, and the Convalescent Home. They have set glass in the carriage house, basements and corridors of the West Department.

MEDICAL LIBRARY.

Number of books in library February 1, 1917	3,347
Number of books added to library from February 1, 1917, to January 31, 1918:	
By purchase	31
By donation	34
	—
	65
Number of books in library January 31, 1918	<u>3,412</u>

For all books received during the year index cards have been written and filed.

There have been received during the year 139 medical monographs and reprints and 158 hospital and health reports and 425 periodicals.

Twenty-three thousand seven hundred forty-eight index cards of clinical records have been written and filed during the year.

TRAINING SCHOOL FOR NURSES.

The Training School for Nurses has now completed its thirty-ninth year. The changes in the nursing staff during the year have been as follows:

SUMMARY FROM FEBRUARY 1, 1917, TO JANUARY 31, 1918.

February 1, 1917, the number of nurses was . . . 232

During the year nurses have left as follows:

Instructors resigned	2	
Head nurses resigned	25	
Pupils graduated	32	
Pupils dropped	17	
Probationers dropped	23	
Pupils from affiliated schools have completed courses as follows:		
Boston State Hospital	11	
Taunton State Hospital	17	
New England Hospital	12	
Leonard Morse Hospital	6	
Worcester Memorial Hospital	8	
Goddard Hospital	2	
	—	56
Affiliated nurses dropped	12	
	—	
Total graduations and resignations		<u>167</u>
Number of nurses remaining	65	
Graduates retained	13	
Graduates reëmployed	17	
Pupils readmitted	10	
Probationers admitted	82	
Pupils from affiliated schools admitted as follows:		
Boston State Hospital	10	
Taunton State Hospital	32	
	—	—
Carried forward	42	187

<i>Brought forward</i>	42	187
New England Hospital	12	
Leonard Morse Hospital	7	
Worcester Memorial Hospital	9	
Goddard Hospital	1	
	—	71
Graduate special nurses		14
		—
Total number remaining January 31, 1918		<u>272</u>

NURSES CONNECTED WITH THE SCHOOL JANUARY 31, 1918.

Main Hospital:

Superintendent of nurses	1	
Assistant superintendents of nurses	3	
Instructors	2	
Head nurses	33	
Senior pupils (second and third years)	75	
Probationers	30	
Affiliated pupils from:		
New England Hospital	4	
Taunton State Hospital	22	
Worcester Memorial Hospital	1	
Boston State Hospital	3	
	—	30
Graduate special nurses		14
Senior pupils at Maternity Hospital		6
		—
		194

South Department:

Assistant superintendent of nurses	1	
Supervisors of nurses	2	
Head nurses	4	
Junior and senior pupils	36	
Affiliated pupils from:		
Leonard Morse Hospital	2	
Taunton State Hospital	2	
	—	4
Graduate special nurses		3
		—
		50
<i>Carried forward</i>		<u>244</u>

<i>Brought forward</i>	244
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Haymarket Square Relief Station:

Matron	1	
Head nurses	2	
Senior pupils	2	
New England Hospital pupil	1	
	—	6

East Boston Relief Station:

Matron	1	
Graduate nurse	1	
Senior pupils	2	
Worcester Memorial Hospital pupil	1	
	—	5

Convalescent Home:

Matron	1	
Head nurse	1	
	—	2
		—
Total		<u>257</u>

Thirty-two pupils have graduated during the year and eighty-two probationers have been admitted. Twenty-four nurses have completed obstetrical training at the Boston Lying-in Hospital and the New England Hospital and six are now taking the training. Three pupils have taken the optional course at the Boston State Hospital.

Fifty-six pupils from affiliated schools have completed courses of from three to ten months.

The Superintendent of Nurses has held seventy-six classes in ethics of nursing and in the history of nursing.

Miss Morley has conducted 624 classes in the class room and laboratory. Miss Daly has held 116 classes at the South Department. Miss Dwyer has conducted sixty classes in operating-room technique and the instructor of probationers has held daily demonstrations and drills in the practice room and class instruction in the class room.

Miss Lee, the dietitian, has conducted twenty-nine classes for probationers and thirty-six cooking classes and forty classes in advanced dietetics.

Professor Nissen has held thirty-six classes in massage.

The school has received twenty-six lectures from members of the visiting staff. The senior pupils have attended twenty surgical clinics given by Dr. Joseph H. Shortell and eleven medical clinics given by Dr. John A. Foley.

The regular graduation exercises were held Friday, May 25, at 4 p. m. Very Reverend Charles W. Lyons, S. J., President of Boston College, gave the address, and Dr. John J. Dowling, Superintendent of the Hospital, presented the diplomas.

Ten male nurses have graduated during the year.

CHANGES IN THE EXECUTIVE STAFF.

Walter T. Garfield, M. D., Second Executive Assistant, resigned in August. John A. Foley, M. D., Night Executive Assistant, was then made Second Executive Assistant and John H. Cauley, M. D., was appointed Night Executive Assistant. In September George E. Allen, M. D., Third Executive Assistant, was transferred to the East Boston Relief Station as Resident Surgeon and William C. R. Hurley, M. D., was transferred from the position of Assistant Resident Surgeon at the East Boston Relief Station to that of Third Executive Assistant at the Main Hospital.

At the South Department the following changes occurred: James A. Keenan, M. D., Assistant Physician, left late in April. Robert B. Hunt, M. D., was appointed Resident Physician, beginning June 30; he left in January, 1918. Eli Friedman, M. D., Assistant Physician, left July 11, 1917. Then Louis J. Ullian, M. D., was appointed Assistant Physician, but he left the latter part of August. Carl Bearse, M. D., was made Assistant Physician in January, 1918.

At the East Boston Relief Station, Joseph G. Hegarty, M. D., Resident Surgeon, left in July and Carl B.

Hudson, M. D., Assistant Resident Surgeon, was made Resident Surgeon. Doctor Hudson left early in October. William C. R. Hurley, M. D., acted as Supply Assistant Resident Surgeon from June 21 to September 20, at which time he was transferred to the Hospital Proper as Executive Assistant. George E. Allen, M. D., Executive Assistant at the Main Hospital, was transferred to the East Boston Relief Station as Resident Surgeon in September. George W. Papen, M. D., was appointed Assistant Resident Surgeon early in October.

In the Pathological Laboratory, the position of Second Assistant Pathologist was filled by Edgar M. Medlar, M. D., until the latter part of August, and by Frederick Parker, Jr., M. D., for the remainder of the year.

The position of Research Assistant in Pathology was filled by Leroy U. Gardner, M. D., until April 22, when Doctor Gardner resigned and Ward H. Cook, M. D., was appointed to the position. Doctor Cook served until June 16, since which time the position has been vacant.

The position of First Assistant in Pathology was filled by Ward H. Cook, M. D., until the latter part of April, when he became Research Assistant. Then Frederick Parker, Jr., M. D., was appointed First Assistant in Pathology and he served in this position until the latter part of September, when he became Second Assistant Pathologist. Then Frank B. Berry, M. D., was appointed First Assistant in Pathology, serving until December 21, since which time no one has filled the position.

The position of Second Assistant in Pathology was filled by Frank B. Berry, M. D., until September 28. Upon his resignation Frank G. Norbury, M. D., was appointed his successor. Doctor Norbury filled the position until October 16, when he left for military service. Later, Leonard Rothschild, M. D., was made Second Assistant in Pathology.

The position of Assistant in Clinical Pathology was

filled by Charles L. Overlander, M. D., until March 2. William R. Ohler, M. D., then became Assistant in Clinical Pathology. He left for military service on June 13, since which time the position has been unfilled.

In the X-ray Department, Samuel W. Ellsworth, M. D., Physician for X-Ray Service, left for military service in December; Paul F. Butler, M. D., Assistant Physician for X-Ray Service, was then made Acting Physician for X-Ray Service and Matthew N. Tennis, M. D., was appointed Assistant Physician for X-Ray Service.

In the Training School for Nurses, Mrs. Anna C. Davie, Instructor of Nurses, resigned in September and Mrs. Elizabeth C. Farley was appointed to the position, Miss Mary C. Kingston, Instructor in Obstetrical Nursing, resigned in June.

In presenting the fifty-fourth annual report I wish to express to the trustees, the staff and the executive force my appreciation of their splendid support during the past year.

JOHN J. DOWLING, M. D.,
Superintendent and Medical Director.

BEQUESTS.

FUNDS WITH INTEREST ONLY AVAILABLE.

<i>Goodnow Fund.</i> — For the support of free beds	\$26,000 00
<i>Nichols Fund.</i> — For the establishment and endowment of a City Hospital	2,000 00
<i>Norcross Fund.</i> — For the benefit of patients leaving the hospital poor and destitute of proper clothing	2,000 00
<i>Ball Fund.</i> — For the same purpose and under the same restrictions as the Norcross Fund	1,000 00
<i>Goodnow Library Fund.</i> — For replenishing the library of the hospital with books and pamphlets suitable for the reading of the patients during convalescence	1,000 00
<i>Shaw Fund.</i> — For the purchase of flowers and fruit for the use and comfort of the patients in the hospital	2,000 00
<i>Perkins Fund.</i> — For books for the Medical Library, and for the purchase of artificial limbs and surgical appliances for the use and relief of patients leaving the hospital	7,500 00
<i>Cheever Fund.</i> — To purchase and present to each house surgeon when his service expires a pocket case of surgical instruments, as a gift from Dr. David W. Cheever	3,500 00
<i>Charles P. Hemenway Fund.</i> — For a free bed, to be known as the Charles P. Hemenway Memorial Bed	5,000 00
<i>Herbert L. Burrell Ether Prize Fund.</i> — For a money prize to be given to the house officer who administers ether or other anæsthetic in the most skillful and humane manner	1,000 00
<i>Silas Durkee Fund.</i> — “For the benefit of the Boston City Hospital”	15,050 00
<i>Daniel S. Ford Fund.</i> — “For the benefit of the Boston City Hospital”	6,000 00
<i>Carried forward</i>	<hr/> \$72,050 00

<i>Brought forward</i>	\$72,050 00
<i>Carter Fund</i> .— For books for the benefit of the Training School for Nurses	2,000 00
<i>Hettie Lang Shuman Memorial Library Fund</i> .— To be expended in perpetuity by the trustees for new books for the use of hospital patients and for the replacing of volumes that have become damaged, lost or destroyed	2,000 00
<i>William T. Bolton Fund</i> .— For the benefit of the Boston City Hospital	500 00
<i>Patrick A. Collins Memorial Library Fund</i> .— For the purchase of new books for the use of hos- pital patients and for the replacing of those that have become damaged, lost or destroyed,	500 00
<i>Mehitable C. C. Wilson Fund</i> .— For the benefit of the Medical Library	500 00
<i>Nurses' Fund</i> .— To be used under direction of superintendent and staff for employment of special nurses	10,000 00
<i>Dr. George S. Hyde Fund</i> .— For the support of a free bed	5,000 00
Total	<u>\$92,550 00</u>

FUNDS WITH BOTH PRINCIPAL AND INTEREST AVAILABLE.

<i>Wyman Building Fund</i> .— Rest and residue of the Thomas T. Wyman estate. Balance on hand January 31, 1918	\$5 45
<i>Patrick A. Collins Memorial Library Fund</i> .— To purchase bookcases and books for the use of hospital patients. Balance on hand January 31, 1918	440 44
<i>Francis Bartlett Bequest</i> .— To be used to purchase radium and X-ray apparatus. Balance on hand January 31, 1918	117 24
Total	<u>\$563 13</u>

THE BOSTON CITY HOSPITAL TRAINING SCHOOL FOR NURSES.

The trustees of the Boston City Hospital in 1878 established a Training School for Nurses, the fourth organized in the United States, in order to give to women desirous of becoming professional nurses a systematic course of training and practice.

The Training School is controlled by the trustees of the hospital, like all other departments of the hospital service. The Superintendent of the Hospital has the general supervision of all matters relating to the school, its course of work and study, lectures and discipline. The Superintendent of Nurses has the immediate charge of all the nursing in the hospital, of all persons employed in the wards, and also the instruction and management of the nurses in the Training School. All female nurses in the hospital must be connected with the school.

The hospital in all its departments contains 1,253 beds for patients as follows:

Main Hospital	680
South Department for Infectious Diseases	340
West Department (as yet unopened)	165
Haymarket Square Relief Station	24
East Boston Relief Station	10
Convalescent Home	34
Total	<u>1,253</u>

The number and variety of cases in each department afford ample material for observation and instruction. The course requires three years, and includes general medical and surgical nursing, together with ophthalmic, aural and gynæcological nursing, also the nursing of children, and infectious diseases and of emergency surgical work. There is a maternity ward connected

with the hospital, and a course in maternity nursing has been provided at this hospital as well as at maternity hospitals elsewhere, without extra cost to the nurse.

The most desirable age for candidates is from twenty-one to thirty-five years. They must be of sound health, and should send with their application a certificate from a physician certifying to the fact. They should also send a brief personal history, and give the names and addresses of three responsible persons, not of their own kin, preferably their last employer, if any, or business men of their acquaintance, who know of their good character and capabilities. Upon the recommendation of the Superintendent of the Hospital and Superintendent of Nurses they will be received for three months on probation. The fitness of candidates for the training and work, and the propriety of retaining or dismissing them, will be determined by the authorities in charge of the school, under the direction of the trustees. At least two years of high school work or its equivalent is necessary. An entrance examination, held every Tuesday morning at ten o'clock, except holidays, is given to all candidates before the term of probation. The examination is in simple arithmetic, English composition and writing from dictation, etc., and is in no sense so severe as to prevent anyone who is capable of undertaking the work of a trained nurse from so doing. The Superintendent of Nurses will have a personal interview with candidates for the school on Tuesdays from ten to twelve o'clock.

At the end of the second month candidates, if considered satisfactory, are permitted to wear the cap and enter upon the regular course of training, but such candidates are not permitted to join the school formally until the end of the third month, when, if accepted, they sign an agreement to complete the prescribed course of three years and to conform to all rules. At the end of the first six months the record and work of each pupil are carefully scrutinized as to her fitness to make a good nurse, and the right is reserved by the authorities of the

hospital to terminate then, or at any time, the connection of any pupil or nurse with the school for inefficiency, misconduct, generally unsatisfactory record, or for any other reason which may be deemed sufficient.

The nurses in the Training School (including probationers) reside at the three nurses' homes connected with the hospital. These houses are attractive and homelike, and have the best of conditions necessary to good health and personal hygiene, while recreation and amusement, necessary to a wholesome life, have been considered in the music room, library and reception rooms provided.

The Superintendent of Nurses has the immediate charge of the Training School, under the authority of the Superintendent of the Hospital and of the trustees, and the nurses are subject to the rules of the hospital, like any other service.

The instruction includes the general care of the sick, the making of beds, changing bed and body linen, managing of helpless patients in bed, etc., giving baths, keeping patients warm or cool, prevention or dressing of bed sores, and proper management of the patient under various conditions, with different diseases or injuries; the making and applying of bandages and rollers, preparation of splints, application and management of surgical apparatus, applying of fomentations and poultices, the dressing of burns, ulcers and wounds, and other minor dressings, cupping, leeching, and subsequent treatment, the administering of enemata, and the use of the female catheter.

Nurses are taught how to act in the various emergencies occurring in hospital and private nursing, as well as in the accidents of ordinary life. They are also given lessons in massage by a professional instructor. There is a systematic course of training in cookery for the sick, the serving of food and delicacies in the proper manner, and the feeding of helpless patients or those who resist food.

Instruction is also given in the best practical methods

of supplying fresh air, or warming and ventilating sick rooms in a proper manner, and the proper care of sick rooms for the best good and comfort of the patient; in keeping all utensils and appliances perfectly clean and disinfected; in making accurate observations of the pulse, temperature, respiration, expectorations, the secretions, state of the skin, and eruptions; of mental condition, as delirium, stupor, shock, etc., of the condition as to sleep, appetite, effects of diet or of stimulants and medicines; the behavior of wounds and the after treatment in surgical operations, and in the managing of convalescents. Nurses are taught the administering of medicines and the application of external remedies, how to take notes on cases, the making up of the nurse's record, and the reports to the attending doctor.

The three years' course of training includes a preparatory course of three months under a special instructor, followed by a fixed course of instruction from manuals and text-books, mainly given by the Superintendent of Nurses, instructors, dietitian and graduate head nurses. Lectures and demonstrations, chiefly upon practical points, are given at stated times by the medical and surgical staff of the hospital. While the instruction by the manuals, text-books, lectures, demonstrations, quizzes and models is considerable, the main reliance is upon accurate daily drill in the wards, operating rooms, and other departments of the hospital. Examinations, both oral and written, are held from time to time by the authorities of the school, and nurses will not be graduated unless they attain, on critical marking, at least seventy per cent.

The pupils are employed as assistant nurses in the wards, operating rooms, out-patient departments of the hospital and the two Relief Stations. They are given training in medical, in surgical, in contagious and gynecological wards. Maternity training is provided. No class recitations or lectures are given between July 1 and October 1 except to the probation classes.

Probationers are not paid during their first two months but for the remaining ten months of the first year they

receive \$10 a month, for the second year \$12.50 a month, and for the third year \$16.67 a month, while on duty in the hospital, to pay for the expenses of their uniform, personal clothing, and other minor requirements. While on duty in a maternity hospital they will receive the allowance provided by the hospital to which they are assigned. This sum is in nowise intended as wages, it being considered that their education during this time is a full equivalent for their services. When the term of three years is completed the nurses receive, if they pass all the examinations and are otherwise satisfactory, a diploma certifying to the regular course of training and practice, and are then permitted to wear the graduate's badge of the school.

The majority of graduates engage in private nursing, but some are invited to remain in the service of the hospital as head nurses, with opportunities of promotion here or in other hospitals. Graduate head nurses who prefer to remain in hospital work, or return after a term of private nursing, are given post-graduate instructions in ward management, hospital housekeeping and minor administration, fitting them to fill positions of trust in hospitals or other institutions.

The school year has no fixed date, but accepted candidates are, as a rule, received in class beginning every three months. Those desiring to enter with less delay can sometimes anticipate a fixed date by placing themselves on the emergency list. When coming to the hospital they should bring with them the following articles: Three gingham or calico dresses, made plainly; dresses to be made high neck, long sleeves; eight large white aprons, made of bleached cotton, two yards wide, meeting in the back, with bibs, without straps, plain at the top and gathered slightly at the bottom, two pearl studs on the band, two inches wide, with hem at bottom five inches in depth, and two inches from the bottom of the dress; two bags for soiled clothes; one pair of scissors, a pinball, and a plain napkin ring with nurse's name; a good supply of plain underclothing — every article to be distinctly marked with pen and indelible

ink with the owner's name. Twenty-one pieces are allowed for the laundry each week.

Nurses must bring suitable outer garments for stormy weather, and they are required to wear boots that will be purchased on prescription of our orthopedic surgeon, after coming to the hospital. If the teeth are out of order in any way, they must receive attention before coming for the probationary month. Nurses are required to wear the training school uniform after they join the school. Material for dresses will be sold at cost price; caps are furnished at a nominal price. Probationers should come prepared, on acceptance, to expend about \$20 for uniforms, books and other needful expenses.

Hours of duty for day nurses will vary from six to twelve hours between the hours of 7 a. m. and 8 p. m.; for night nurses, from 8 p. m. to 7 a. m. No nurse is required to do both day and night duty on the same day, except in rare emergencies. Each nurse on day duty is allowed two hours for rest and recreation; one half day, after 1.30 p. m., each week, and four hours on Sunday. Two weeks' vacation with pay is allowed each year, and one week without pay as leave of absence during the third year. If nurses are sick they are cared for in the hospital, but pay is stopped, except for illness or injury received in the line of duty. Pupils may be expected to have a percentage of any considerable time lost by illness or absence added to their three years, at the discretion of the management. Nurses on night duty are required to be in bed from 9 a. m. until 4 p. m. Nurses may be called upon for seven months' regular night duty during the three years' training, besides "special cases" to a limited number.

COURSE OF INSTRUCTION.

I. PROBATIONER'S COURSE.

The first week the probation class meets in the practice room daily for practical instruction in the making of beds, including the use of bed rests, cradles, etc.

The care of rooms, sweeping and dusting.

Care of set bowls, wall stands and utensils.

Care of linen rooms, the folding of linen.

The use of hot and cold applications, including the making of fomentations and poultices.

The care of rubber goods.

The making of surgical supplies, pads, sponges, tampons, etc.

The use of slings, binders and supports.

During this time the class is instructed in the use of antiseptics, disinfectants and deodorants and the preparation of solutions.

Tables of weights and measures.

The use of abbreviations and symbols.

The principles of ventilation.

The temperature of the body. Heat production and radiation.

The use of the clinical thermometer and charts.

The giving of baths, care of the back, mouth, etc.

From the seventh (7th) to the tenth (10th) day allowed to go to the wards, make beds, sweep, dust and fold linen (hours from 7 to 10.30 a. m.).

The tenth (10th) day assigned to wards for regular duty, and during the remaining weeks of the probation course three hours each day will be devoted to class and practice room work, with one additional hour for recreation.

*Total Hours of Study and Ward Work in Three Months'
Probation.*

Anatomy, Physiology and Hygiene . . .	66 hours.
Practical Nursing and Practice Room . .	126 "
Materia Medica and Nursing Ethics . . .	24 "
Dietetics	12 "
Ward Work	481 "

I. FIRST YEAR.

Contagious Nursing	12 recitations.
Junior Nurse. Brown	12 "
Lectures by Physicians and Surgeons . .	37
Ward Clinics: Medical, Surgical, Gynæcological and Infectious.	
Laboratory Work in Chemistry, Urinalysis and Bacteriology.	

II. SECOND YEAR.

Materia Medica	12 recitations.
Special Instruction in Bacteriology	6 exercises.
Instruction in Practical Asepsis in Operating Rooms.	
Massage	6 recitations.
Special Lectures in Obstetrics	6
Obstetrical Course (4 months).	
Optional Course (3 months) at Boston State Hospital.	

III. THIRD YEAR.

Invalid Cooking	12 recitations.
Medical and Surgical Clinical Teaching by paid Instructors.	
General Review of Course	12 "
Work in Operating Rooms, Out-Patient Departments, Relief Stations, Contagious Wards and Housekeeping Department.	
Diet Kitchen	One to two months.

The prospectus is subject to change.

An excellent reference library is open to nurses for more extended reading upon subjects under consideration.

HOUSE RULES.

WITH RULES FOR ADMISSION, GOVERNMENT AND DISCHARGE OF PATIENTS; ALSO RULES FOR VISITORS.

HOUSE RULES.

The doors and gates of the hospital will be closed at ten o'clock in the evening, at which time all inmates, excepting head nurses, who are permitted to remain out until twelve o'clock midnight, shall be quiet, and all not on duty shall be in their rooms, unless otherwise specifically permitted.

All officers, nurses and employees of the hospital, when going and coming to and from the hospital, shall enter and go out by the entrance office, and by no other entrance. Such officers and employees as are required shall use the time register and method of booking that the hospital rules require.

A record shall be kept of all persons entering the hospital between the hours of 10 o'clock in the evening and 7.30 o'clock in the morning.

No employee shall be absent from the hospital except when permitted by special rules or by the Superintendent.

No officer, nurse, male nurse or other employee shall, directly or indirectly, receive money or other gifts from or in behalf of patients, except with the approval of the Superintendent.

The use of tobacco, wine and intoxicating liquors is prohibited within the hospital, unless prescribed by the physicians or surgeons.

All profane and improper language, loud talking and incivility are prohibited.

All employees shall observe such further rules and directions for their conduct as may from time to time be established.

ADMISSION OF PATIENTS.

Application for admission may be made at the hospital on each day of the week (Sundays excepted),

between nine o'clock a. m. and five o'clock p. m. Whenever able, a patient shall apply in person for admission. When not able to apply in person, a patient may be admitted on application made by his physician, or upon a visit to his residence by the admitting physician.

No person having acute venereal disease or alcoholism shall be admitted unless his condition is urgent, except as a paying patient.

No person shall be admitted to the hospital whose case is judged to be incurable, unless there be urgent symptoms which are deemed capable of being relieved.

Persons with state settlements, unless they stand in need of immediate relief, are to be referred to the state hospitals.

Patients settled in other cities and towns in Massachusetts are to be referred to their own city or town for treatment, Boston cases being given the preference.

Unsettled cases, if resident in Boston, may be admitted as paying patients.

Patients may be admitted to the privileges of the hospital at such rate of board as the trustees may from time to time by vote determine, payment for such cases being secured by the friends of the patients or by the authorities of the city or town in which the patient is legally settled.

Whenever, in the opinion of the trustees, the circumstances of the patient will warrant it, the whole or a part of the board will be paid.

If separate apartments or articles not usually furnished at the hospital are furnished, such payment shall be made therefor as the trustees shall deem reasonable.

Persons non-resident and non-settled in Boston are to be admitted only as private patients, *i. e.*, paying patients in private rooms.

All accident or emergency cases shall be received at all hours, night or day, irrespective of settlement.

In all cases where any question arises as to the treat-

ment of newly admitted or other patients, it shall be the duty of the house officer to consult with the executive on duty in regard to such treatment until the arrival of his visiting physician or surgeon.

If in the judgment of the admitting physician the condition of a newly admitted patient is sufficiently urgent to demand the attention of the visiting staff, he shall so notify the house officer and shall direct him to call his visiting physician or surgeon.

In case alcohol is administered to a patient before or after placing him in the ambulance, or by any other than hospital employees, before the arrival of the ambulance, the same is to be promptly reported to the admitting physician, and a record of the fact made in the clinical record book. This rule covers cases brought by conveyances other than hospital ambulances.

GOVERNMENT OF PATIENTS.

Patients shall implicitly observe all the rules of the hospital.

Patients shall be in their proper places in the wards during the visits of the physicians and surgeons, and always before 7.30 o'clock in the evening, unless specially excused by the Superintendent.

Such free patients as are able shall assist in nursing and perform such other services as may be reasonably required of them.

No patient shall leave the hospital grounds without a pass from the Superintendent, nor leave his ward without the consent of the nurse in charge.

No patient shall purchase, or cause to be purchased for him, any article of food whatsoever, or any other article, without the consent of the Superintendent.

Profane and obscene language, loud talking and incivility are prohibited.

Patients may be visited by clergymen of their own selection, and any wish for the performance of a particular religious rite shall be granted when practicable.

Complaints, for whatever cause, may be made to the Superintendent, and whenever requested shall be by him reported to the trustees.

DISCHARGE OF PATIENTS.

Patients shall be discharged by the Superintendent.

Patients discharged on the recommendation of the visiting physicians or surgeons shall be provided with a certificate stating their condition at the time of discharge, whether cured, relieved or not relieved, which certificate shall be signed by the Superintendent.

Whenever a patient is removed from the hospital without the approval of the Superintendent, a written statement to that effect shall be required from any person assuming the responsibility of the removal.

VISITORS.

No person shall visit any part of the premises except on business, or at such times as may be fixed for the reception of visitors, without the permission of the Superintendent or of some one of the trustees.

Daily, from 2 to 3 o'clock in the afternoon, friends may be permitted to visit patients, though no patient shall receive more than two visitors at that hour; and from 6 to 6.30 o'clock on each week day friends may be permitted to visit patients, though no patient shall receive more than one visitor at that hour. In all cases, however, the trustees and the Superintendent may exercise discretionary powers as to excluding or admitting visitors.

When visitors are admitted outside of the regular visiting hours they shall not be permitted to remain more than half an hour, except a special permission to remain for further time is granted.

All visitors shall leave the hospital when the bell rings at the expiration of the visiting hour.

No visitor shall take any meal in the hospital, or pass the night therein, without permission of the Superintendent or one of the trustees.

No visitor shall be allowed to give any article of food or drink to a patient unless by permission of the nurse; and any article sent to a patient shall be left at the entrance office.

SPECIAL RULES FOR THE GOVERNMENT OF THE SOUTH DEPARTMENT.

The department of the Boston City Hospital located on the westerly side of Massachusetts avenue shall be designated as the South Department of the Boston City Hospital. It shall receive patients who require treatment for diphtheria, scarlet fever, measles, whooping cough, and for other infectious diseases as may be determined from time to time by the trustees.

The Superintendent and Medical Director of the Hospital shall, under the direction of the trustees, have the general control and management of this department in the same manner as of other departments of the hospital.

The rules of the hospital shall, so far as applicable, and except as hereinafter provided, apply to the various officers and employees and to the conduct and management of this department.

SPECIAL RULES FOR THE GOVERNMENT OF THE HAYMARKET SQUARE AND THE EAST BOSTON RELIEF STATIONS.

The Boston City Hospital Relief Stations are established not as hospitals, but as departments of the Boston City Hospital for temporary relief, and the rules and methods prevailing now in the hospital shall, so far as applicable, and not inconsistent with special rules, apply to the Relief Stations.

The stations shall afford temporary relief in all classes of accident and disease. They shall be open at all hours for patients requiring treatment or attention. Patients requiring ward treatment, whether received at the stations or taken up in ambulances, shall, so far as is consistent with their welfare, be forthwith transferred or carried to the hospital for extended treatment, but ward accommodations shall be afforded patients whose condition is such that they cannot properly be transferred. Patients may, however, if it is deemed desirable, be transferred by the ambulances to other hospitals or to their homes. First treatment may be afforded at the stations, although the applicants are not such as require ward treatment.

The Superintendent of the Hospital shall have the general administration, management and control of the stations, the same as of other departments of the hospital.

The Superintendent shall, from time to time, as may be necessary for each station, nominate for confirmation by the trustees a Resident Surgeon and one or more Assistant Resident Surgeons, and shall appoint and employ or detail for service in each department, subject to the approval of the trustees or of the proper committees, a Matron, a Supervisor, nurses, male

nurses and such other minor employees as may be required for the proper conduct of the station, who shall be subject to his supervision.

The various officers and employees of the stations shall perform such duties other than those specified as may be required by the trustees or the Superintendent, according to the nature of their respective duties. The Resident Surgeons, the Matrons, Supervisors and such other officers as may be so required shall reside at the stations.

PATIENTS.

Alcoholic and insane patients shall not be received unless there is surgical or medical complication making hospital treatment absolutely necessary.

No patient, after being admitted to the wards, shall leave the station until his discharge without a pass from the proper officer, nor shall he visit other parts of the station without permission.

Ward patients shall be discharged by the Superintendent or Resident Surgeon.

AMBULANCE SERVICE AT THE HAYMARKET SQUARE RELIEF STATION.

The ambulance service of the station shall be under the direct control of the Resident Surgeon, and shall coöperate with that of the hospital, with which it shall form one general system. Ambulances shall, in response to calls, be dispatched from the station or the hospital as the exigency may require. The utmost dispatch shall be exercised in the ambulance service, so far as is consistent with a regard for the welfare of the patient and the interest of the public.

Ambulances shall in general be sent from the station or the hospital at least upon a general alarm to all fires occurring in the city proper and in such further districts as may be determined upon.

An ambulance shall be held during the hours of the day in complete readiness to make immediate response to

calls, and shall be kept in condition to make prompt response to calls at any time of the night.

A house officer shall accompany the ambulance, shall direct its course and shall have direction of the care and treatment of the patient until received at his destination.

The foreman of the ambulance service at the hospital station shall visit and inspect the Ambulance Department of the station from time to time, but the immediate carrying out of directions shall be under the assistant foreman at the station.

AMBULANCE SERVICE AT THE EAST BOSTON RELIEF STATION.

The rules and methods prevailing in the Haymarket Square Relief Station ambulance service shall, so far as applicable, be effective in the East Boston Relief Station ambulance service.

SPECIAL RULES FOR THE GOVERNMENT OF THE CONVALESCENT HOME.

The department of the Boston City Hospital located on Dorchester avenue, in Dorchester, shall be known as the Convalescent Home, and shall receive such patients recovering from acute diseases as shall be transferred to it from the main hospital for treatment during convalescence.

The Superintendent of the Hospital shall, under the direction of the trustees, have the control and management of the Convalescent Home in the same manner as of other departments of the hospital.

The Superintendent shall appoint, subject to the approval of the trustees, a Matron, and shall employ, under their direction, such further assistants as may be necessary for the proper conduct and service of the home.

The Matron, under the direction of the Superintendent, shall have the immediate charge of the home and the control of all nurses and other employees and patients. She shall reside at the home.

VISITORS.

Friends may be permitted to visit patients daily between three and four o'clock in the afternoon. In all cases the trustees, Superintendent and Matron may exercise discretionary powers as to excluding or admitting visitors.

Visitors shall leave the home and grounds at the expiration of the visiting hour, and shall visit no part of the home or grounds other than the reception room, except by permission from the proper authority.

No person shall give any article of food or drink to a patient unless by permission of the Matron.

